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HEMIST and DRUGGIST NOVEMBER 10, 1945

The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALER - MANUFACTURER

ublished 1859 28 Essex Street, Strand, London, W.C.2 Registered as a Newspaper

431 CXLIV NOVEMBER 10, 1945 Annual Subscription (with Diary) 25/-. Single Copies 9d.

This appeal is made by Burgoyne Burbidges & Co., Ltd., London, E.6

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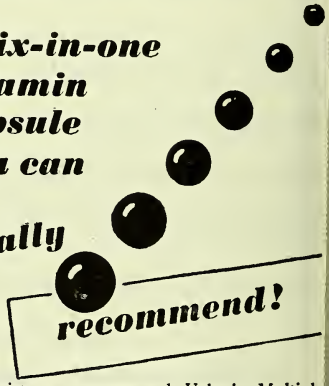

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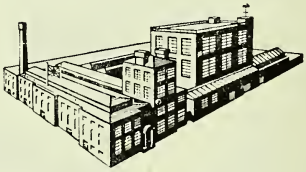

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TABLETS

(Indicated in all types of dry cough)

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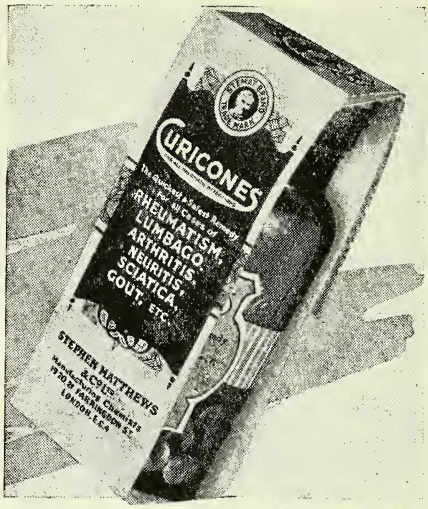

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ASPRO LTD., SLOUGH, BUCKS, ENGLAND

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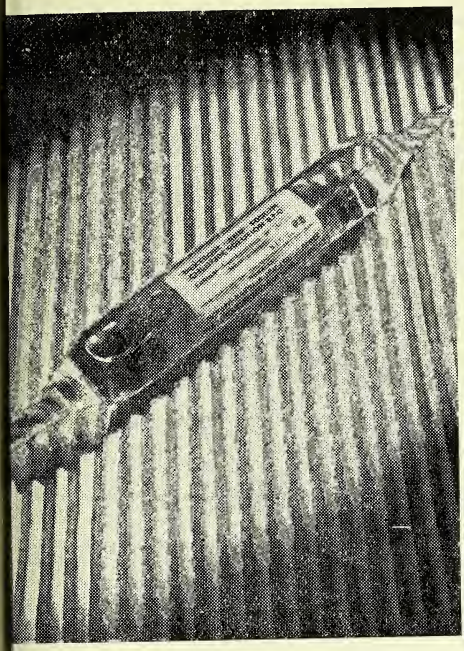

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NOV. 10th

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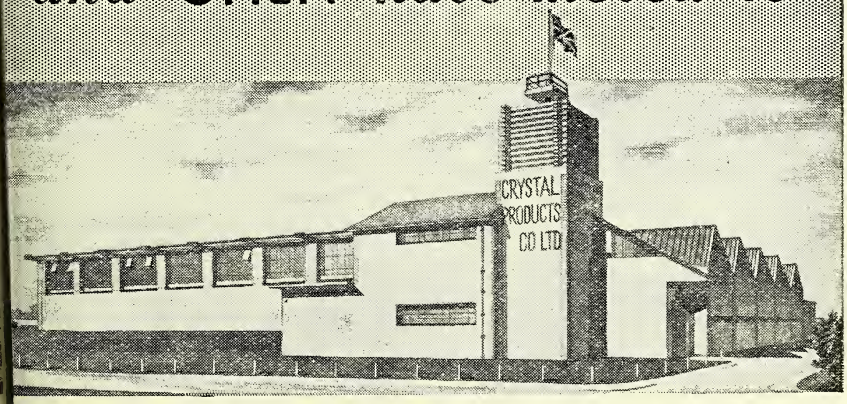

OOK RISE · KINGSTON BY-PASS · SURBITON · SURREY

Elmbridge 5321

n No. 1 on our post-war programme is v an accomplished fact—a giant stride ward to a new and spacious modern fac- y. Production is already well under way, many of our past problems are solved.

In the past few difficult years we've tried to do *more* than just keep going. Now we are planning to go ahead fast. We've taken the first step. Others are on the way.

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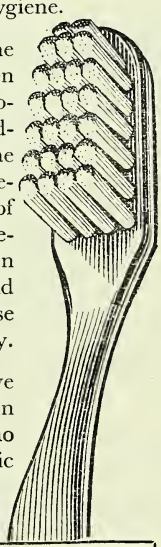
PROBABLY you've already seen the first of the new Wisdom advertisements in the National and Provincial press. We were inspired to prepare this "use your Wisdom wisely" series by the very high proportion of people shown to have bad teeth on joining the Forces — bad teeth due largely to sad ignorance of oral hygiene.



The Army has already done much to teach Service men how to clean their teeth properly. Our instructional advertisements will carry on the good work. They are something rather new in the way of advertising. Each advertisement has been checked by an eminent dental authority and the series will be of real use and value to the community.

People should come to have the greatest confidence in the brush made by those who sincerely have the public interest at heart.

Wisdom REGD. **TOOTHBRUSH** OUTLASTS THREE ORDINARY BRUSHES

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POST-WAR PRODUCTS NEW EMULSIFIERS

ROHSEM VL, simple, stirring, perfect emulsions, no addition of alkalis required. A real post-war product.
ROHSEM VX, makes white Hair Cream with a gloss amongst other uses.
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WHOLESALERS NOTE: Trade discounts allowed on the above products; also on Perfumery labels.

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The demand is Here, There and Everywhere. Shortly you, too, will be able to buy.

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"By Purchasing." **Gum Trag., Emulsifying Waxes, Rohsem VX, VL,** and **0584, Beeswax, Stearic Acid, Glycerine, Odourless White Mineral Oil, Oxides, Chalks, Liq. Ammonia, Borax,** etc., **Sodium Carb. Crystals, Sesquic. of Soda, LL/X.E.P. "Lamaur" Perfume** and others.

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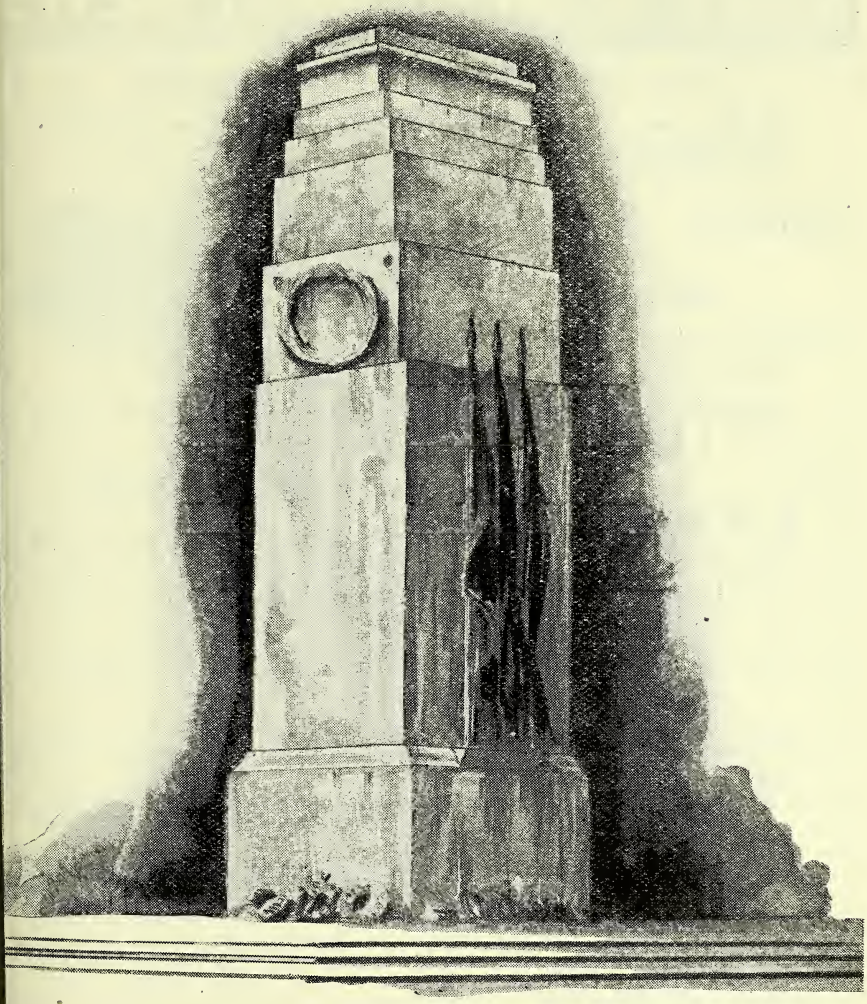

In Memoriam

That heroes of two wars
may health and comfort regain:
That our sons (and our daughters),
may never have to fight again:

GIVE FREELY ON POPPY DAY

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summarising post-war opportunities, special notices, new packaging and new products

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FOR COLD JOURNEYS

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A unique combination giving complete and PERMANENT protection from MOTHS and household disinfestation of other insects

D.D.T. kills the MOTH that LAID the EGGS that produce the GRUB
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D.D.T. + P.C.S. = POMP
(The Anti-Moth Equation)

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SEALS AND LABELS
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gold or silver
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NOW AVAILABLE IN ANY QUANTITY
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9/- dozen + $\frac{1}{6}$th tax

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A reputation for reliability . . .
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ALL COTTON WOOL
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"with the soft seamless knitted covering"
SIZES 1, 2, 3 AND MATERNITY also 'KUMFEX' SOLUBLE (all with loop ends)
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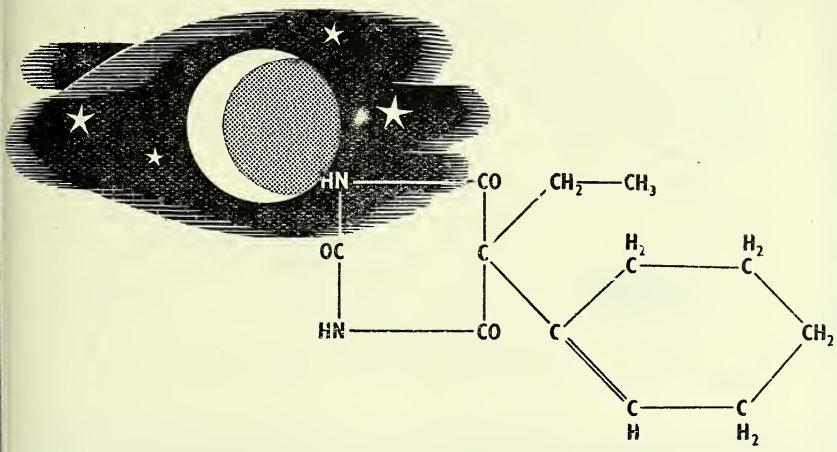

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Subject to usual discount

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Prepared under ideal conditions which ensure the utmost possible degree of chemical purity.

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BRAND TABLETS

INDICATIONS. Epilepsy and all spasmodic conditions; **Chorea** and nervous disorders; **Anxiety** neuroses; as a hypnotic in all cases where phenobarbitone is indicated.

ALEPSAL is issued in **Three** strengths:—

Normal—1·54 gr. phenobarbitone; 0·31 gr. p. belladonn. fol.; 0·38 gr. Caffeine. Issued in tubes of 20 tablets.

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Chemists are asked to take careful note of the Three Strengths issued

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SOLUTION TABLETS

Combining Fresh Valerian and soluble Barbitone.

INDICATIONS.

As a general Sedative and Hypnotic.

Insomnia.

Nervous Conditions.

SOLUTION is issued in bottles of 3½ oz. Formula: Soluble barbitone, 3·5 g.; liquid extract fresh valerian to 100 c.c.

TABLETS issued in tubes of 22.

Formula: Ext. fresh valerian, 1·0 gr.; soluble barbitone, 3·3 gr.; excipient to 6·5 gr.

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NEWS OF THE WEEK

Hints to Business Men.—Additional mphlets on Newfoundland, Canada and lestine have been issued by the Depart- ent of Overseas Trade in the series "Hints Business Men." Copies may be obtained application to the Department at olphin Square, London, S.W.1.

J.I.C. Resolution to Ministries.—The ational Joint Industrial Council for Retail harmacy adopted the following resolution a meeting held on November 1: That is Council urges the Government depart- ents concerned to arrange for an early d substantial increase in the projected te of release of pharmacists from the rvices in order to maintain the civilian armaceutical service at the standard of iciency demanded in the public interest. e resolution has been circulated to all e Ministries concerned.

N.P.U. By-election.—The following can- lates have been nominated in a by- ction to fill a vacancy in the North- stern Division representation on the ecutive of the National Pharmaceutical Union: Mr. Emeric Alfred Eccles, 198 Union Road, Oswaldtwistle, Lancashire; Mr. Philip Varley, 65 Holmfield Road, Blackpool. The successful entrant will hold office until March 31, 1947. The votes will be counted on November 20; they will be accepted up to 12 noon on that date.

Pharmacists' Election Successes.—The following pharmacists were successful in the recent municipal elections:—

Mr. W. Brownbill, Peel Park Ward, Accrington, Lancs.

Mr. Adrian F. Mattock (chairman, local branch, National Pharmaceutical Union), Leicester City Council.

Mr. Donald Rowsell (a director, Holman, Ham & Co., Ltd., manufacturing chemists, Exeter, and the Holman Manufacturing Co., Ltd., Exmouth, and a son of Mr. P. F. Rowsell, C.B.E., a past-president of the Pharmaceutical Society of Great Britain), St. Loye's Ward, Exeter City Council.

Mr. C. H. Leggett, St. Hilary's Ward, Wallasey.

Mr. S. D. Littlewood, Bebington.

Mr. Leonard Edwards, Chester.

Crosby Pharmacists' Association.—The newly-elected vice-president of the Association is Mr. J. Bromley, and not as previously stated.

Savings Gesture.—Bob Martin, Ltd., manufacturing chemists, Southport, have invested £5,000 in Southport's "thanksgiving week."

Killarney Pharmacists' Hours.—Pharmacists in Tralee and Killarney have recently come to an agreement regarding hours of opening in both centres.

Entertainment for Workpeople.—Boots, Ltd., Beeston, Nottingham, have promised to aid the King George's Fund for Sailors with a mid-day entertainment for their workpeople.

Eire Veterinary Dispensaries.—The Eire Department of Agriculture has announced its intention to institute a veterinary dispensary service at Connemara, to be placed at the disposal of smallholders.

Eire Company Entertains Volunteers.—P. C. Cahill & Co., Ltd., wholesale and manufacturing chemists, Dublin, recently entertained 460 officers and men of the Local Defence Force to a show at the Theatre Royal, Dublin.

Pharmacist Teachers' Salaries.—A report by the Burnham Committee on scales of salaries for teachers in technical colleges and institutes, just issued, includes a reference to teachers having the Pharmaceutical Chemist qualification. Copies of the report may be obtained from H.M. Stationery Office, price sixpence.

Eire Pharmacists' Retreat.—The annual retreat for men organised by the pharmacy branch of the St. Joseph's Young Priests' Society will be held this year at Milltown Park, Dublin, during the week-end December 1–3. Pharmacists wishing to take part should communicate without delay with Mr. F. P. MacDonnell, M.P.S.I., 12 Summerville Park, Upper Rathmines, Dublin.

Yorkshire Pharmacists at Welwyn.—A party of members of the Yorkshire Branch of the Guild of Public Pharmacists recently visited the works of Roche Products, Ltd., Welwyn Garden City. The party inspected the manufacturing processes of vitamins and galenicals, and saw the research laboratories. They were afterwards entertained at a London theatre and finished the day at an Indian restaurant. On the following day a visit was arranged to the pharmaceutical department of Guy's hospital, London.

Thames Valley.—Mr. H. Black presid at the Thames Valley District Pharmacis Association's first meeting of the wint session on October 25, when Dr. J. Starkey (medical officer of health for Kir ston), spoke on "Maternity and Ch Welfare." Dr. Starkey stressed the ass tance the medical profession had receiv from pharmacists in the production of su stances that had been the weapons us by doctors in prevention and care complications in maternity and chi welfare.

Crowded Meeting at West Ham.—A exceptionally large audience at a meeti of the West Ham and Eastern (Lond District Association of Pharmacists a Branch, held on October 29, resulted many members being unable to obta seats. The occasion was a lecture by M H. S. Giles, M.P.S., on "Insulin, its Histor Manufacture and Use." Mr. Gordon Har presided. The speaker described t remedial action of the drug, the functi and use of each variety, and details manufacture and yields, circulating phot graphs to show various stages in productio A vote of thanks was moved by Mr. W. King, Walthamstow, supported by M W. S. Graham, West Ham.

London Pharmacists' Works Visit.—Pharmacists from most of the Lond Branches of the Pharmaceutical Socie made up a party which, organised by t secretary of the Western Pharmacist Association, visited the penicillin unit Glaxo Laboratories, Ltd., Greenford, October 25. Members heard a brief surve of the history of penicillin by Mr. W. Hurran before being conducted round t unit by members of the technical and sal staff, including Messrs. Preston (sales dire tor) and Charles Jephcott. A vote of than to Mr. Preston and members of the sta was proposed by Mr. T. C. Neville Boot (president, N. London Branch) and seconde by Mr. Frank Noble (president, Wester Pharmacists' Association).

An Innovation at Blackburn.—Instead a formal question period, the North-ea Lancashire Branch of the Pharmaceutic Society, at its opening meeting on Octob 31, the lecturer answered queries put t him as groups gathered round him. M Emeric A. Eccles, Oswaldtwistle (president was in the chair, and Mr. W. J. Merric (Evans Biological Institute) gave an addre on "The Sulpha Drugs," illustrated b lantern slides. The chairman said th committee intended to make the branch

ve one in every sense. He spoke of the loss stained by the deaths of Messrs. S. H. debottom, Accrington (an ex-president), . H. Hothersall and J. W. Openshaw, all teran members. Resolutions of sympathy th the relatives were passed. Mr. Merrick as thanked by Messrs. T. C. Robinson and . B. Bracewell.

Presidential "At-homes" in Dublin.—he president of the Pharmaceutical Society Ireland will be "At home" to members, entiates, assistants and registered stu-nts of the Society at 67 Lower Mount reet, Dublin, between 10 a.m. and 4 p.m. the following dates: November 14 and cember 12, 1945, January 9, February 13, rch 13, April 10, May 15, June 12, July and September 11, 1946 (all Wednesdays). may also be seen by appointment at any ne on days stated on a schedule in the ssession of the registrar of the Society. e president is anxious to keep contact th all organisations within pharmacy, and meet as many persons as possible for the rpose of giving advice or hearing sugges-ns. Registered apprentices, even though ey may have finished, or may not have rted, lectures, are considered to be regis-red students for the purposes of this notice.

Glasgow Pharmacy Club.—To mark the d of hostilities, Glasgow Pharmacy Club ld a "victory function," consisting of a pper, whist drive and dance, on October . Mr. W. Peebles (president of the Club) lcomed all present, especially Messrs. W. ood Wilson (honorary president); Sween (ex-president); Baillie (vice-esident); and Andrew Officer (president, asgow and South-western Scottish anch, Pharmaceutical Society). The armacy Club, said Mr. Peebles, had been existence for almost twenty-five years d would next year be celebrating its ver jubilee. The club had bowling, gling, badminton and ladies' and gentle-n's golf sections. All except the bowling ction had been in abeyance since war oke out, but they were preparing to get ings going again. Mr. Peebles acted as rdmaster and Mr. G. F. Grant as M.C.

Newcastle Liaison with Doctors.—The cond meeting of the Newcastle medical d pharmaceutical liaison subcommittee s held on October 26, Mr. R. Bartle, P.S., in the chair. Mr. C. Lonsdale was pointed secretary in place of Mr. W. R. ebster, who had left the district. An jection was received to proposals agreed the previous meeting; the objection was at a chemist had no right to limit to three repeats a prescription marked by the doctor "To be repeated." It was decided to point out to the pharmacist that the proposal was designed to protect the public and, whilst not enforceable, drew a line to assist him in exercising his discretion. A chemist could not be forced (except under the terms of the National Health Insurance contract) to supply goods if he did not wish to do so. Dr. Bates reported that the British Medical Association knew nothing of the shortage of dressings; Mr. Graham undertook to lay the matter before the National Pharmaceutical Union. Dr. Bates was asked to bring to the notice of the authorities the necessity of prescribing liquid paraffin only for patients who really needed it. The medical members undertook to bring the views of the committee on nomenclature of drugs to the highest authority, after a list of examples had been prepared. Steps were decided upon to ensure that the authorities should deal with a shortage of insulin as a matter of major importance.

Bath Branch Annual Meeting.—In unanimously approving the secretary's report at the annual meeting of the Bath Branch of the Pharmaceutical Society on October 29, members acknowledged the active work of their secretary (Mr. T. Swain), appointed twelve months previously. This activity had been recognised also at Bloomsbury Square by the grant of the maximum sum allowed to branches for organisation purposes. Adoption of the report was moved by Mr. R. H. Moore, Ph.C., seconded by Mr. C. H. James. Mr. Moore's report as treasurer recorded a satisfactory balance remaining after £44 had been divided between the War Distress and War Aid Funds of the National Pharmaceutical Union and Pharmaceutical Society. After reading letters from the N.P.U. and the Society announcing the termination of the penny-in-the-£ scheme, the treasurer moved that the scheme should be adapted and continued in favour of the Society's Benevolent Fund; this motion was carried unanimously. The following officers were appointed for the year: *Chairman*, Mr. C. H. James; *Vice-chairman*, Mr. A. H. Hale; *Secretary*, Mr. T. Swain (who announced his reacceptance of the position only on condition that an assistant was appointed); *Assistant Secretary*, Mr. L. Williams; *Treasurer*, Miss B. E. Brewer; *Committee*, Miss Bell, Messrs. Cornish, Curtis, Doble, Haskins, Hill, Huxley, Phillips, Plagerson and Roscoe, together with the officers. Mr. R. H. Moore relinquished the post of treasurer after twenty-one years' service in that capacity.

LEGAL REPORTS

First Case Under New Act.—The first case to be brought under the new Medicines, Pharmacy and Poisons Act, Northern Ireland, 1945, was heard at Belfast summons court on November 2, when Horace B. Gradman, 40a Donegall Pass, was charged with selling by retail articles consisting of or comprising a substance recommended as a medicine contrary to Section 5 of the Act. The articles complained of, which were produced in court, were a bottle bearing a label inscribed "South African Oil, a powerful penetrating remedy for rheumatism and sprains," and a box of corn cure. Evidence was given of purchase from a stall in Belfast markets, when it was stated the price (2s. and 1s.) was for the formulas and advice, and not for the medicine. This was described by the prosecution as mere subterfuge. Imposing a fine of 40s. on each summons, the magistrate said he was satisfied the law had been broken, which was all he was concerned with, although the case had been fought out between the parties in friendly fashion.

"Nectar" Tonic Wine.—At Swansea, on October 25, L. Blackman, trading as Blackman, Harvey & Co., Regent Street, London, was fined £25, with costs, on each of two summonses of contravening the Food and Drugs Act in selling a non-alcoholic wine, described as Nectar tonic wine, which contained chloroform to the extent of 85 parts per cent. by weight. Costs totalled £94. Summonses against J. Peters & Co., Ltd., Seething Lane, London, E.C., and Varleys, chemists, Mumbles, Swansea, for selling the article with a label alleged to be misleading, were dismissed. For the defence it was stated that no blame was attached to the sellers, as the bottles received were corked and sealed and supplied with a warranty from the manufacturers, who stated that the product complied with the conditions required by law. Evidence was given that in July a bottle of the wine was purchased from Messrs. Varley by persons on holiday from London and that one of the party, who drank a small quantity, felt a burning sensation in the throat, gasped for breath, and became violently ill. She was taken to hospital in a comatose condition. The product was analysed, and it was found that, at the strength in which the drug was present, in one glassful there would be two fl. oz. of chloroform. The label was alleged to be misleading because the article was not a wine at all.

COMPANY NEWS

LENDON (DORSET), LTD. (P.C.).—Capi £100. Manufacturing chemists, etc. Dona E., Lena M., and David O. Norman, dire tors. R.O.: Bourne Chambers, St. Pete Road, Bournemouth.

JEANNETTE (LONDON), LTD. (P.C.). Capital £1,000. To acquire the business a dealer in and packer and filler of cosme and toilet requisites and pharmaceuti products carried on by Louis Fox, Sout ampton Street, London, W.C.2, and 108– New Cavendish Street, W.1. Louis Fox a Catherine J. Dickson, directors. R.C 36–38 Southampton Street, Strand, Lo don, W.C.2.

E. G. THOMAS &. CO. (NEW FERR LTD. (P.C.).—Capital £100. To adopt agreement with Mary A. Thomas a Robert P. Thomas for the acquisition of t business carried on by them at 58 Bebingt Road, New Ferry, Cheshire, as E. Thomas. Mrs. Mary A. Thomas and Robe P. Thomas, M.P.S., directors. R.O.: Bebington Road, New Ferry, Cheshire.

BANKRUPTCY DISCHARGE ORDER.—Har Derek Edwards, research chemist, 4 Ne bury Road, Newbury Park, Ilford, Esse subject to judgment being entered again him by the Official Receiver in Chelmsfo county court for the sum of £250, wi £1 10s. costs.

Bankruptcy.—CYRIL CHARLES RANDO WILSON and EDMUND LESLIE LUCA lately carrying on business as the Middles Chemical Co., 6 Ye Corner, Chalk Hi Oxhey, Herts, and Rigby House, 14A Hi Street, Watford, Herts, chemical man facturers. The adjourned public examin tion was held recently. Wilson stated th he was joined in partnership by Lucas March 1942. The firm commenced tradi with a capital of £100, and carried successfully manufacturing and selling fa powder until September 1942. In April that year the debtors contracted to pu chase 1,000 gross of face powder box from petitioning creditors at 36s. a gro The bulk of the boxes were delivered a paid for but, following removal of Boa of Trade controls in September, sal practically ceased. Joint statement affairs disclosed a deficiency of over £4 and a contingent liability of £5,25 allegedly due as income tax; the amount w disputed. The hearing was further a journed.

TOPICAL REFLECTIONS

urses for Students

The attractive article by Mr. Charles W. sling on the London College of Pharmacy . 456–60) brings to mind a subject efly alluded to in this section on Septem- r 1, the rise and development of courses study for pharmaceutical students. In "Elements of Pharmacy," published in 23, Samuel Frederick Gray, author of the ll-known "Supplement to the Pharma- pœias," described himself as "lecturer materia medica, botany, and pharma- tic chemistry." For about ten years ore that date he and his second son o afterwards joined the staff of the tish Museum) had been lecturing at the ddlesex Hospital and a few other places London. Most of their pupils, we may ieve, were medical students; but there be little doubt that assistants and prentices to apothecaries and chemists took advantage of the instruction red. The movement towards better cation resulting in the founding of the iversity of London, incorporated by rter in 1836, could not fail to have sequences in many vocations. It is a arkable fact that the formation in 1839 the Aberdeen Society of the Apothe- es, Chemists and Druggists "was not to the wisdom of the masters but to action of the assistants and apprentices, . . . sent a requisition desiring that e time should be given them to improve r minds and develop a more thorough wledge of their business" (*C. & D.*, 2. II. 286). A few months after the blishment of the Pharmaceutical Society Great Britain it was announced that the ncil was preparing to set up a school harmacy; on May 17, 1842, a course of ruction in botany was begun by Dr. . Thomson, and in the following October rses in materia medica, chemistry and rmacy were added under the supervision ther distinguished teachers.

easing Competition

wenty years later, competition had en in this field. It may be news to most our readers that in the middle 'sixties CHEMIST AND DRUGGIST had four l advertisements of courses of study in subjects required for the Pharmaceu- Society's examinations. The Society's rtisement, sometimes occupying one- th of a quarto page, gave details of ures and practical instruction, including laborate table of fees. It appears that the highest fee was £26 10s., for which sum a student could obtain ten months' tuition from 9.30 a.m. to 5 p.m. daily (on Saturdays to 2.30 p.m.); and that the lowest fee, for "any two hours daily" for a month was £2 2s. The other advertisers were Mr. J. C. Braithwaite (formerly "Principal Instructor," etc., in the Society's laboratories), Mr. Henry Matthews, F.C.S., and Mr. (afterwards Sir) W. A. Tilden, F.C.S. The last-named assisted in the Society's chemical laboratory during the day and conducted his own classes in the evening. The Society's advertisement included the announcement that "Special Examinations are appointed for Chemists and Druggists in business on their own account, and for persons in the confidential management of the business of a Chemist and Druggist." The title "Chemist and Druggist by examination" that used to appear on labels was therefore not redundant in Victorian days, especially in the period before a qualifying examination became compulsory. A demand for systematic tuition was bound to increase.

B.P.C. Supplement VII

About twelve months ago it was suggested in this section that the General Medical Council might be asked, "Is your B.P. Addendum really necessary?" The question occurred to me when a copy of the Seventh Supplement to the British Pharmaceutical Codex was put into my hand the other day. The compilers of the Supplement may plead that whenever a B.P. Addendum appears they are under an obligation to provide explanatory data. But are they? If it is a question of conveying scientific developments to professional and business people as early as possible, the trade Press has long shown itself capable of promptly meeting all reasonable requirements of the kind. If it is a question of publishing new analytical standards, those of the Codex have not equal authority with those of the Pharmacopœia. Why, then, this decision to add yet another Supplement to the existing row of six? If I am not mistaken, the volume shows occasional signs of having been hurriedly prepared. I am unable to reconcile the metric and the imperial quantities of oleoresin of ginger in tabellæ zingiberis compositæ, and I fail to understand why "Theophyllina" is printed in the Latin title on page 100 of the Supplement in place of "Theophyllinæ."

Xrayser

THE WEEK IN PARLIAMENT

by a Member of the Press Gallery, House of Commons

October 31: Distillers' Allowance

During discussion of the Budget resolutions, a resolution was adopted concerning industrial spirit.

MR. GLENVIL HALL (Financial Secretary to the Treasury) said it was a complicated resolution, and would cost the Treasury £1 million in a full year. The resolution was one introduced in April by the Chancellor of the Exchequer. Under the old law, a prohibition had been put upon simultaneous brewing and distilling. As a result, persons engaged in brewing and distilling felt that they had a grievance, because it involved them in extra expense. When the ban was imposed, it was felt to be essential for the protection of the Revenue. Times had now changed, and it was considered possible to protect the Revenue without having to insist on brewing and distilling taking place on different occasions. An allowance of threepence had been made to distillers to meet their extra charges; as the prohibition had come to an end, it was thought that the allowance also should be withdrawn.

MR. GODFREY NICHOLSON, an independent distiller, supported the resolution because it was entirely justified; the drawbacks, he said, should have been withdrawn long ago. "I think the Government will have to make up its mind whether the manufacture of industrial alcohol in this country is of national advantage or not, because it is quite possible that it will be found that it is more economical to manufacture industrial alcohol in, say, the West Indies or other sugar-producing areas." The resolution was agreed to.

Champagne for Invalids

The question of champagne for invalids was raised by MISS ELEANOR RATHBONE who asked the Minister of Food what quantity of champagne had recently been, or was about to be, imported into this country; how much ship space it would occupy; and whether arrangements would be made to ensure that it would be used only for the benefit of patients.

SIR BEN SMITH (Minister of Food) replied that the net weight of champagne to be imported from France by the trade was 435 tons (gross weight approximately 1,600 tons); 85,000 cu. ft. of shipping space would be employed, but the wine would not be shipped at the expense of any commodity of greater importance. It would not be practicable to adopt the suggestion made with reference to invalids.

Orange Juice for Children

MR. VERNON BARTLETT asked the Minister of Food why orange juice was not made available for children over five years of age who had been released from Japanese prison camps.

SIR BEN SMITH replied that children over five obtained an adequate supply of vitamin C from their ordinary diet. Where, for any reason, this did not apply, rose-hip syrup, blackcurrant purée and synthetic vitamin-C tablets were available.

MR. JAMES MAXTON: Has the Minister ever tried any of these things?

SIR BEN SMITH: Yes, I have tried them. I think they are excellent as a hot drink in the winter.

Purchase Tax on Household Remedies

When the Purchase Tax (Exemptions) (No. 2) Order was before the House, MR BUTCHER raised the question of household remedies and purchase tax. "There has been a great deal of feeling," he said, "that some of the more simple and household remedies should no longer be subject to purchase tax. The two things I have in mind are camphorated oil and cough mixtures for children."

MR. DAVID KIRKWOOD interrupted to say "Cough mixture only poisons children. I am the father of seven and we never had anything of the kind in the house."

MR. BUTCHER: I conclude by asking the Financial Secretary if he will say whether these ordinary, simple and domestic recipes are still to be subjected to tax.

MR. GLENVIL HALL (Financial Secretary to the Treasury) replied that, in so far as these commodities were taxed now, the tax would continue. The Order dealt only with the drugs that were mentioned in

Budget Resolutions

Maintenance of purchase tax on luxuries was hinted at by the Chancellor of the Exchequer during discussion on the Budget remission of tax upon various articles. MR Dalton was urged to extend this list, but refused to do so, and added that purchase tax was here to stay. "We must keep this tax," he said, "in such a way as

ring in very substantial revenue—and hat revenue must be obtained from rticles which cannot be described as eing the necessities of life." That, howver, did not preclude, he said, the possibity of a substantial remission on the one and and reduction on the other.

Mr. Osbert Peake, for the Opposition, d urged reduction of tax on necessities, ying it weighed more heavily upon the oor. There was a danger that wholesale d retail traders might find themselves ffering a substantial loss upon the ocks they held, if rate of tax was substanally reduced without due notice. Apart om this possible injustice, inconvenience ight be inflicted on the public if, as the te of the Budget approached, wholelers and retailers refrained from taking pplies because of fear of incurring a loss. here might be times, shortly before a udget, when retail stocks were unduly pleted, and heavy purchases made immeately on announcement of a reduction. r. Peake suggested that the Chancellor ight devise a scheme by which the rate tax declined gradually over a period of, y, six months or a year, on particular ticles, instead of sudden reduction or olition. In that way the hardship licted on traders would be mitigated.

Mr. Dalton, in reply, pointed out that ere was provision whereby traders were le to charge tax-inclusive prices on taxid stocks. "We do not propose to ange that, but we will look into it and whether the present arrangements, ich are designed to prevent injustice traders consequent on a reduction of tax, can be improved."

Mr. Peake intervened to point out that en goods became more plentiful, and it s announced that the purchase tax was her reduced or abolished over a certain ge, the public would at once expect to y the articles at the reduced prices.

vember 1: Eyeless Surgical Needles

The Minister of Health (Mr. Aneurin van) undertook to consult with the nister concerned to remove difficulties of nufacturers in supplying eyeless needles meet hospital requirements.

idence of Influenza

he incidence of influenza and the likeli- d of an epidemic this winter were the jects of questions to the Minister of lth, who was asked to compare current res with those of similar periods in vious years.

Mr. Aneurin Bevan: For the six weeks ended October 20, influenza deaths in London and 126 great towns numbered fifty-four, against ninety-six, seventy-five and sixty in the corresponding periods of the past three years. I will not risk a prophecy about the likelihood of an influenza epidemic this winter.

November 5: Coupons for Appliances

Mr. Bernard Taylor asked the President of the Board of Trade if he would arrange for the purchase of surgical appliances to be coupon-free. Sir Stafford Cripps replied that surgical appliances which were not a substitute for ordinary clothing were already coupon-free. In other cases, coupons must in fairness be surrendered. Supplementary coupons were, however, normally given to people who had to wear surgical appliances for the first time.

Shortage of Sanitary Towels

Sir Stafford Cripps (President of the Board of Trade) made a statement on the shortage of sanitary towels: "Normally," he said, "demand runs at a rate of just under 5·3 millon dozen monthly and production was rather above this level until the end of last June. But largely on account of factory and VJ holidays, production fell to 5·2 million dozen in July and to 3·9 million dozen in August. Although there was recovery to 5·6 million in September it was insufficient to prevent shortage in the shops, which caused anxiety and forward buying, which in turn led to more widespread shortage in October." Emergency measures had been applied, said Sir Stafford. First, although exports had been small, supplies had been stopped leaving the country. Secondly, Service Departments had given up part of their small stock and this was now coming on to the market. Thirdly, the cotton allocation for October to December had been increased to permit production up to a rate of 6·3 million dozen. Fourthly, as an insurance and to provide further relief immediately, dollar currency was being spent on imports. Between now and the beginning of January they expected to get from 2½ to 3 million dozen sanitary towels from the U.S.A. and about half the quantity should arrive during the next few weeks. "It is clear from the figures that the additional supplies now becoming available are considerably in excess of the quantities lost by the temporary setback in July and August, and I have now every confidence that in the near future the shortage at home will end."

C. & D. DISPENSING PRICE LIST

THE following price changes took place during October:—

Cost		*Due allowance has been made for purchase tax in both cost and dispensing prices*	Dispensing price					
			4 oz.		1 oz.		1 dr.	
d.	*per*		*s.*	*d.*	*s.*	*d.*	*s.*	*d.*
81	oz.	Argenti proteinas mite					1	9
135	lb.	Camphora			1	5	0	3
70	oz.	Cinchophenum ℞ only					1	8
49	dr.	Ephedrina P.1 (8)	per gr		0	2	7	4
42	dr.	Ephedrinæ hydrochlor. P.1. (8)	per gr		0	2	6	0
26	oz.	Ext. cascaræ sag. sicc.			3	9	0	7
42	oz.	Ext. rhei liq. ..			6	8	0	11
34	oz.	Hydrarg. iodid. flav. S.1, P.11 (4)			5	0	0	9
28	oz.	Hydrarg. iodid. rub. S.1, P.11 (4)			4	1	0	7
31	oz.	Hydrarg. iodid. virid.			4	7	0	8
22	oz.	Hydrarg. oxid. flav. P.1 (8)			3	3	0	6
22	oz.	Hydrarg. oxid. rub. P.1 (8)			3	3	0	6
45	oz.	Hydrarg. oxycyanid. S.1 (4)			6	9	1	0
18	oz.	Hydrarg. perchloridum S.1, P.11 (4)			2	8	0	5
21	oz.	Hydrarg. subchloridum			3	1	0	6
17	oz.	Hydrargyrum ..			2	6	0	5
19	oz.	Hydrarg. ammoniatum P.1 (8)			2	10	0	5
10	oz.	Hydrarg. cum creta			1	7	0	3
116	lb.	Inf. senegæ conc. ..	4	3	1	2	0	2
136	lb.	Liq. rhei dulcis, B.P.C.	6	1	1	9	0	3
49	lb.	Mist. bismuth. co. cum pepsin. B.P.C. P.1 (13)	2	3	0	8	0	1
24	lb.	Ol. morrhuæ ..	1	0	0	3½		
43	oz.	Phenazonum ..			6	4	0	11
133	lb.	Pil. hydrargyri pulvis			1	9	0	3
18	oz.	Pil. rhei co. pulvis			2	9	0	5
70	oz.	Podophylli resin (peltatum)			10	2	1	8
133	lb.	Pulv. rhei co. ..	4	9	1	3	0	2
44	oz.	Rhei rhiz. E.1 No. 3			6	6	0	11
84	oz.	Sulphonal ℞ only					2	0
182	lb.	Tr. cardamomi arom.	6	6	1	9	0	3
128	lb.	Ung. hydrargyri ..	4	8	1	3	0	2
31	lb.	Ung. hyd. ammoniati P.1 (9)	1	2	0	4		
94	lb.	Ung. hyd. co. ..	3	3	0	11	0	2
70	lb.	Ung. hyd. iodid. rub. S.1 (5)	2	6	0	9	0	2
38	lb.	Ung. hyd. nitratis dil.	1	4	0	4		
73	lb.	Ung. hyd. nitratis fort. S.1 (5)	2	8	0	9	0	2
91	lb.	Ung. hyd. subchloridi	3	3	0	10	0	2

BUSINESS CHANGES

THE INSTITUTE OF DISTRIBUTION has n a registered office at 40 Pall Mall, Londo S.W.1. Mr. Gordon Heynes, C.A., has be appointed secretary.

MR. J. B. HODGSON, M.P.S., is carryi on the business at 14 High Road, Darlin ton, following the death of his father, M J. E. Hodgson (see p. 484).

MR. HILARY TEE, who recently return to Paris, states that his permanent addre is 155 Avenue Wagram, Paris XVI Telephone: Carnot 31.68.

MR. ROY S. HARDY, M.P.S., has be released from the Forces and is once aga giving personal supervision to his busine at 12 Heysham Road, Morecambe.

MAJOR J. G. WYNNE-WILLIAMS, managi director of Pepsodent, Ltd., was recent demobilised and is back at work with t company at Park Royal, London.

MR. GEOFFREY A. N. HIRST, chairm and managing director of Hirst, Brooke Hirst, Ltd., manufacturing chemists, Shee scar Works, Leeds, has been released fr the Forces.

MR. FRANK W. GRIFFIN, B.Sc., Ph.C. present Lieutenant-Colonel and Chief I spector of Medical Stores, G.H.Q., Indi has been appointed manager of the Bomb depôt of The British Drug Houses, Lt London, N.1, as from November 1.

PAD FACTORIES, LTD., manufacturers sanitary towels, have temporarily esta lished themselves at 189 Camden Hi Street, London, N.W.1 (telephone: G liver 5415), following the destruction fire of their premises at Pratt Stre Camden Town.

Proprietary Articles Trade Associati

Additions to Protected List.—*C. R. Hark Stagg & Morgan, Ltd.*, Laurence's hair d 15s. doz., tax 15s. doz., inclusive retail pr 3s. 3d. Peldo, 10s., doz., tax 1s. 8d. doz., i.r 1s. 6d.

E. Griffiths Hughes, Ltd., 10-oz. size Rac bath salts restored to protected list, 13s. tax 4s. 7d. doz., i.r.p. 1s. 10½d.

Kremel Hair Tonic (Agents: *Musterole F Products Co., Ltd.*; distributors: *Thos. Chr & Co., Ltd.*). 2-oz., 14s. doz., tax 14s. d i.r.p. 2s. 9d.; 6-oz., 36s. doz., tax 36s. d i.r.p. 7s.

Alterations.—*McCaw, Stevenson & Orr, L* Manufacturers are reissuing Seccotine in tut 10½d., 7s. doz. up to six doz.; 6s. 9d. d six to eleven doz., 78s. gross (exempt from t New tube replaces existing 1s. bottle w stocks are exhausted.

TRADE NOTES

Metal and Plastic Containers.—Percenta, d., 69–73 Borough High Street, London, E.1, offer to interested manufacturers aped containers in plastic and metal for uid and cream preparations.

Reduced Prices for Fluorescent Lamps.—e prices of Sieray daylight fluorescent pular lamps have been reduced by the nufacturers, Siemens Electric Lamps & pplies, Ltd., 38 Upper Thames Street, ndon, E.C.4.

Representation in Iraq.—An invitation ffered by I. & A. C. Ades, Ltd., Post ice Box 68, Baghdad, Iraq, to manufacers of drugs and pharmaceuticals in eat Britain to communicate with them h a view to securing distribution in the ritory of Iraq.

Ladies' Hand Soap.—No coupons are uired for an abrasive hand soap, speci- prepared for the use of ladies, offered Wylie's Cleansers, Ltd., 12 Dartmouth eet, London, S.W.1. The product is ractively packed in scarlet and pink s.

Bromides Ex London.—European Oil & emical Trading Co., Ltd., 5 Copthall ldings, London, E.C.2, offer ethyl; *n*-l iso-propyl; *n*-, iso-, sec-, and tert-yl; iso-amyl; and allyl bromides, London factory, and invite inquiries for er organic synthetics.

Bottle Shortage.—A request to chemists eturn promptly their empties of Vironita ic wine is made by the manufacturers, thorpe & Co., Ltd., Ossett, Yorks. Credit llowed at the rate of 2s. 6d. per doz., s cost of carriage, irrespective of whether former bottle charge has been paid not.

Chemical Manufacturers' Directory.—e 1945 edition of the Chemical Manu-turers' Directory—the seventy-seventh as been issued by Simpkin, Marshall 41), Ltd., London, price 5s. 6d. The ctory lists manufacturers in England, les and Scotland, with a number in land.

America Visits.—Mr. E. J. Moseley, irman and managing director of F. W. mpshire & Co., Ltd., Sunnydale, Derby, eaving this country on a three-months' t to the United States, Canada and the entine, with a view to obtaining agents the company's specialities.—Mr. M. L. niels, chairman and managing director, United-Rexall Drug Co., Ltd., Nottingham, sailed recently on a visit to Canada and the United States. During his stay in America, Mr. Daniels will address members of the Philadelphia Rotary Club and speak at Anglo-American friendship meetings in Boston and Toronto.

Quota Increase.—An announcement of an increased quota of Volvitac remedy for dog and cat ailments, which is now available for general distribution, is made by the manufacturers, John Houben, Ltd., manufacturing chemists, 70 Finsbury Pavement, London, E.C.2, who have taken space in this issue to notify to the trade their terms for the product.

Nature of DDT.—The Geigy Co., Ltd., National Buildings, Parsonage, Manchester, 3, again point out that DDT (dichloro-diphenyltrichloroethane) is not itself an insecticide and should not be used at full strength. It forms the basis of insecticides that require careful formulation to secure best results, and this means expert handling by genuine insecticide manufacturers.

Photographic Apparatus. — Experience gained during the war in the manufacture of photographic equipment for military purposes is being brought by Gnome Photographic Products, Ltd., 21A Working Street, Cardiff, to the production of a new range of photographic equipment for civilian use. This, it is anticipated, will soon be available through the usual trade channels, and dealers are urged to have their names placed without delay on the company's priority list.

England Visit.—Mr. Albert Morgenstern, managing director, National Hospital Supply Co., 6 Misr Bank Street, Cairo, Egypt, is shortly visiting this country, and invites correspondence from manufacturers of chemical and pharmaceutical products and of surgical and electromedical apparatus. Communications should be sent to him c/o L. E. Vincent & Partners, 59 Shaftesbury Avenue, London, W.1.

Threadworm Treatment. — Diphenan, B.D.H., tablets are offered by The British Drug Houses, Ltd., London, N.1, for the treatment of threadworm infestation. Being free from unpleasant side-reactions, and almost tasteless, they are recommended as specially suitable for children. The preparation is issued in 0·5 gm. tablets in bottles of 20, 100 and 500, the terms for which are given on another page.

BIRTH

GRAY.—At Johnstone House, Belfast, on October 24, 1945, Sally, the wife of R. J. Gray, M.P.S.N.I., Irvinestown, Belfast, of a daughter.

DEATHS

ALLISON.—On October 25, Mr. James Allison, M.P.S., 87 Upper Brockley Road, London, S.E.4, aged seventy-six. Mr. Allison qualified in 1892.

BROCKIES.—At 15 Connaught Road, Hove, Sussex, on November 2, Mr. Frederick Jeffries Brockies, formerly with Evans Sons Lescher & Webb, Ltd., London, aged eighty-nine. The funeral took place on November 7.

BUCKLEY.—The funeral of Mr. James Francis Buckley (see *C. & D.*, October 27, p. 425), took place at St. John's churchyard, Buckhurst Hill. Mr. Buckley was for ten years an experimental engineer for Burroughs, Wellcome & Co., London, and for twenty years chief engineer to Allen & Hanburys, Ltd., London. In 1901 he patented a single-punch compressing machine, suitable for small-scale tablet production, the experimental working-model of which is to be seen at the Science Museum, Kensington, London. He was seventy-five years of age, and leaves a widow, two sons and a daughter.

COWIE.—At 37B Dublin Street, Edinburgh, on October 21, Mrs. Isabella Barron Cowie, widow of the late Mr. George Cowie, M.P.S., Edinburgh, aged eighty-five.

GRIEVESON.—On October 23, Miss Lilian Grieveson, M.P.S., 146 Turnstall Road, Sunderland. Miss Grieveson qualified in 1939.

HODGSON.—At his home in Swinburne Road, Darlington, on October 30, Mr. J. E. Hodgson, Ph.C., aged sixty-nine. Mr. Hodgson had been in business at 14 High Row for about forty-five years. He was a well-known Freemason and had held Provincial Grand Lodge honours. He was a past master of the Marquess of Ripon Lodge. He was also a member of the Darlington Rotary Club. He leaves a widow and two sons.

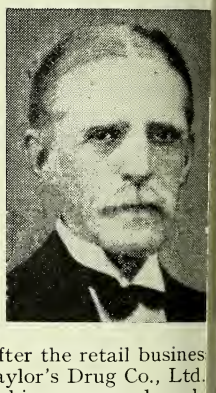
INGLE.—On October 27, Mr. Herbert Ingle, B.Sc., F.I.C., F.R.S.S.A., formerly lecturer on agricultural chemistry, Leeds University.

JENKINS.—On October 25, Mr. Thomas Henry James Jenkins, M.P.S., Haverfordwest, Pembrokeshire, formerly of 145 Lower Richmond Road, Putney, London, S.W. 15, aged seventy-one.

LING.—Following an operation in hospital recently, Mrs. Ruth Parke Ling, Bungay, Suffolk, senior director and chairman of C. R. Ling, Ltd., chemists, St. Mary Street, Bungay.

NORTON.—On October 6, Mr. Frank Norton, Ph.C., 32 Douglas Road, Parkstone, Dorset, aged eighty-one. For over thirty years Mr. Norton was a branch manager for Savory & Moore, Ltd., but he had been in retirement for twenty-one years.

OPENSHAW.—On October 29, Mr. John William Walker Openshaw, M.P.S., Pleckgate Road, Blackburn. Mr. Openshaw, who qualified in 1894, was one of the best known pharmacists in North-east Lancashire. Formerly a director of Booth & Openshaw (Blackburn), Ltd., proprietors of a pharmacy founded in Darwen Street so long ago as 1763, he concentrated on the wholesale side in St. Peter Street, after the retail busines was disposed of to Taylor's Drug Co., Ltd. some years ago. In his younger days h assisted in dispensing work at Blackburn Royal Infirmary. He was an old membe of Blackburn Chemists' Association an North-east Lancashire Branch of the Phar maceutical Society. Son of a pharmacist Mr. Openshaw had few interests outside hi business, but was a prominent Freemaso (founder of Loyalty Lodge and P.P.G.D of East Lancashire). He is survived by hi widow.



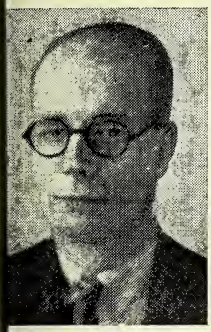
REID.—At 32 Stonefield Avenue, Paisley on November 1, Mrs. Janet Dougal Mac dougall Reid, widow of the late Mr. Rober Cochrane Reid, M.P.S., Paisley.

ROPER.—At 80 Lipson Road, Plymouth on October 19, Mrs. Katherine Grace Rope widow of the late Mr. Robert Franc Roper, M.P.S., formerly for many years i business at Ebrington Street, Plymouth aged eighty-two.

SUNDERLAND.—On February 9, 194 from illness while in Japanese hand Sergeant Cyril John Sunderland, M.P.S 76 Oaklands Road, Hanwell, London, W. Mr. Sunderland qualified in 1932.

PERSONALITIES

Mr. W. Swallow, M.P.S., this year's hairman of the Chesterfield Branch of the Pharmaceutical Society (see *C. & D.*, October 20, p. 392), received his practical pharmaceutical training at hospitals in Sheffield and Chesterfield and qualified from Leeds in 1929. His working life has been largely spent in hospitals, apart from temporary retail posts in Sheffield and Manchester. He has ad experience in Romford and Rochford, ssex, and in London, and is at present harmacist at the Chesterfield and North erbyshire Royal Hospital.



Mr. Leonard Smith has been appointed nief chemist to Antoine Chiris, Ltd.

Mr. Richard Clitherow, M.P., M.P.S., pened a savings centre at 240 Kensington, iverpool, on October 20.

Major-General Richard G. Lewis, B.E., has been appointed Deputy Direc- r-General for Finance and Administration the European Regional Office of .N.R.R.A.

Mr. R. Campbell Feather, M.A., B.Sc., anaging director of Meggeson & Co., Ltd., ondon, S.E.16, has been elected an ssociate of the Royal Institute of hemistry.

Mr. Donald McGregor, M.P.S., 24 urray Place, Stirling, who has been for ne years a member of the local town uncil, retired prior to the municipal ections on November 1.

Mr. W. Turner Ewing, D.S.O., M.A., ho was, until his retirement, senior partner Duncan, Flockhart & Co., manufacturing emists, Edinburgh, has been elected aster of the Edinburgh Merchant Com- ny.

Lieutenant Robert A. Condie, M.P.S., .A.M.C., 1 Brentham Avenue, Stirling, entioned in dispatches for distinguished nduct in N.W. Europe, has been awarded e Oak Leaf. He is at present with S.E.A.C. India.

Drs. J. Shiel (deputy governor, Apothe- ries' Hall of Ireland) and T. McGrath (registrar) were received at the Presidential Residence, Phœnix Park, Dublin, on October 16, by the President of Eire (Mr. Sean T. O'Kelly).

Mr. Fred Storey, Ph.C., Ann Street, Belfast, presided recently at a meeting in Belfast of a committee appointed by the Inter-Commercial Travellers' Associations to consider post-war conditions affecting commercial travellers.

Mr. L. Patch, M.P.S., Chadderton, Lancs, contributed a letter to the "News Chronicle" on October 23, in which he pointed out that England is the only country in which a doctor is allowed to dispense medicines for his own patients.

Mr. F. W. Adams (deputy secretary to the Pharmaceutical Society) was one of the signatories to a letter which appeared in the "Manchester Guardian" on October 31, urging British support for democratic organisations in Germany.

Mrs. D. Hepworth, Ph.C., was the subject of an article in "Women's Sphere" in the "Halifax Weekly Courier" on October 27. Mrs. Hepworth (*née* Speak) served a three-year apprenticeship with J. E. Binns, Sowerby Bridge, and qualified from Bradford Technical College.

Lieutenant-Colonel W. F. Jackson, who resumed his position as chairman of C. E. Fulford, Ltd., manufacturing chemists, Carlton Hill, Leeds, some months ago, has been awarded the American Legion of Merit in the grade of Legionnaire, for outstanding assistance in planning the invasion of the Continent.

Mr. A. W. Daniel, M.P.S., 7 Hampden Hill Parade, Collier Row, Romford, has been elected president of the British Chess Problem Society. Mr. Daniel became interested in the Royal game during his apprenticeship days in the dispensary of the North Staffordshire Infirmary, Stoke-on-Trent. He was for many years secretary of the Society.

Mr. and Mrs. Thomas Gaze, Bristol, parents of Mr. W. E. Gaze, M.P.S., Highams Park, London, E.4, and Mr. J. E. Gaze, M.R.C.S., L.R.C.P., M.P.S., Harrow, and grandparents of Mr. H. J. Copsey, M.P.S., Petty Officer A. B. Gaze, M.P.S., R.N., and Lieutenant R. Gaze, M.R.C.S., L.R.C.P., R.A.M.C., celebrated the seventieth anniversary of their wedding on November 1. They were both ninety-one in September.

WHAT'S WRONG WITH PHARMACY?

THE following article appeared in "The Journal of the Naoctic," the organ of the National Association of Clerks to Insurance Committees, November 1945, and is reprinted (not quite in full) by permission:—

To an outsider whose duties carry him into the administrative realms of pharmacy, the regular reading of the pharmaceutical Press and generally following the activities of chemists, one senses a feeling of frustration and the wasting of good highly-skilled human material. As a profession, chemists seem to have sold their birthright for a mess of commercial pottage, and things generally are not improving. They have allowed themselves to become little more than common shopkeepers. If they wish to find a proper and honoured place in the new National Health Service they will most certainly have to change their outlook and put a check to modern tendencies.

Let us examine cause and effect and suggest possible remedies. Deterioration is ascribed to two main factors:—

(i) College output of pharmacists greatly in excess of real dispensing demands.

(ii) Extermination of the single-shop pharmacies by multiple undertakings.

More Pharmacists Than Openings

That there are considerably more qualified pharmacists than can be gainfully occupied pursuing their specialised calling is openly admitted. The result is that, like the gulls of the seashore finding themselves too numerous for the limited supply of the necessities of life in their natural surroundings, they extend their activities to the hinterland and raid domains far removed from their appointed habitat. Thus we find pharmaceutical man-hours considerably diluted by time devoted to the sale of cosmetics, stationery, photography, tobacco, fancy goods, and wines.

What is the effect of this widening of interests on the Insurance pharmaceutical service? Early each evening the numerous side-line customers (in some cases not so much "side-line") are driven out of the shops by the operation of the Shops Acts, 1912–36. Nothing now remains but the dispensing of N.H.I. prescriptions. But there are not sufficient N.H.I. prescriptions economically to go round the now deserted shops. Chemists complain that the reduced amount of evening work does not justify the continued cost of wages, heating and lighting, and clamour for earlier closing. Doctors generally are not prepared to change their evening surgery hours, arrange for the convenience of patients, merely to obviate the self-created troubles of the pharmacists.

Elimination of Single-shop Proprietors

The second cause of the present not too satisfactory situation is the gradual disappearance of the single-shop pharmacy. Where, of yore, the chemist used often to live over the shop, or nearby, knew his neighbours, and was prepared to oblige anybody and everybody in an emergency at any hour of the day or night and seven days a week, even at the side door, his place is taken by a branch manager of a multiple firm, who lives a train-ride away and who opens and closes his shop on the dot, the second dot often being hours before the local doctor's surgeries close down for the night. This gives rise to considerable heart-burning in fixing rotas for "out-of-shop hours," as other chemists in the locality often fail to see why they should be called upon to put in unprofitable added hours while the multiple shops get off scot-free.

In January 1916, the Clerk of the County Committee reported that a number of chemists carrying on business in the town (now City) of Lancaster had resigned from the Panel and that only one chemist remained on the Committee's list. "It had been necessary for him (the Clerk) to make arrangements whereby such drugs and appliances could be provided." The main fear seemed to have been not so much the breakdown in the pharmaceutical service in the township, as the hurried return of the chemists after money had been laid out in the making of other provisions. It was "thereupon decided to suspend the Panel system of arrangements for the provision of drugs and appliances in the district as from January 1, 1916, for a period of two years." During those two years nothing pharmaceutically untoward appears to have happened.

It would not be difficult to draw up a blue-print of an entirely new and complete pharmaceutical service for insured persons. Briefly, built-up townships would be served by a relatively few all-sufficient "hole-in-the-wall" pharmacies dotted here and there. In the outer districts where there is not enough work to justify the opening of a full-time dispensary (i.e. present single-shop areas) things would remain very much as they are, while in the truly rural stretches

ctors would continue to dispense their vn medicines. One objection to such a rd-boiled scheme would be that in times epidemics there would not be so many spensers as at present to lend a hand. me folk might not like the restriction in e choice of chemists, but the relationship tween the chemists (or rather in a mber of cases, the chemist's shop) and e customer has lost much of the personal ich and is not to be compared with that doctor and patient.

The Utopian remedy would be for the armacist to stick to his pestle and rtar. This would mean a reduction of eir present numbers and the curtailing of llege output to approximate real demands. course chemists would need to be paid , far better for their highly-skilled prosional services than they are at present. e more practical solution, however, might in the form of a compromise. Where insurance practitioner wishes to be ieved of the necessity under his terms service to afford night visits in cases of emergency to persons not on his panel, or to have patients assigned to him, this is so arranged on his agreeing to forgo a percentage of the standard capitation fee for his accepted patients.

A Workable Rota

There appears no reason why every chemist's shop should not dispense N.H.I. prescriptions up to the hour locally fixed for the closing of shops generally under the Shops Acts. After that hour there should be a relatively small and restricted panel of chemists in each built-up area who would keep open until all the local surgeries were closed, and who would amongst themselves arrange for an even more restricted rota service for late-night, Sunday, half-closing day, and holiday dispensing. There would be no necessity specially to mark prescriptions dispensed under such arrangements. The chemists on the restricted panel would receive a percentage increased dispensing fee over the whole of the prescriptions dispensed.

TRANSACTIONS IN OILS

the Central Criminal Court, London, ently, George Wadsworth was acquitted d discharged in a case in which several n were charged with offences relating sales of linseed and castor oils without Ministry of Supply licence. Wadsworth d been charged with Harold Sheard, pwood Lane, Halifax, with aiding and etting two others in the unlawful sale 1,350 gall. of oil on May 6, 1944. On s count Wadsworth was found not lty, but Sheard guilty; Sheard was ed £250, with £50 costs. Harold Henry ster, broker, Neasden, Middlesex, was nd not guilty on seven counts charging n with receiving and not guilty on two nts alleging the sale of oil. He had aded guilty to five other charges of ing and was sentenced to two years' prisonment to run concurrently with a tence he was already serving. Rudolph wald, Belsize Avenue, London, was nd not guilty of receiving, but guilty of ing; he was fined £200, with costs not eeding £25. William Pattison, merchant, n Street, Derby, was found not guilty two counts of aiding and abetting ster in selling and three counts of eiving and guilty on three counts of ing in conjunction with Foster; he was t to prison for three months. Harold red Owen, Sutton Coldfield, was charged two counts with Pattison with aiding and abetting Foster in selling. He was found guilty on these charges and fined £250, with £50 costs, but not guilty to a further charge alleging that he had aided and abetted Foster in selling castor oil. Ernest Bader, Wollaston Hall, Wellingborough, was found guilty on one count of aiding and abetting Foster in selling castor oil; he was fined £100, with £25 costs. Louis Groden, director, Lee Bank Drive, Glasgow, who pleaded guilty to aiding and abetting Foster and Oswald in a sale of 540 gall. of linseed oil, was fined £200, with £25 costs. Charles E. Ayre, director, Derby, who had pleaded guilty to two counts of aiding and abetting Pattison in selling, was fined £250, with £75 costs.

Eric Gordon Wilshire, secretary, Prospect House, Park Road, Spondon, West Derby, pleaded guilty on two similar counts; he was fined £250, with no costs.

Recorder's Strictures

A detective-inspector stated that Foster had been sentenced to three years' penal servitude at that court at the previous sessions. Nothing was known against the other defendants and they were all men of good character. The Recorder said to Foster: "You are the principal source of the trouble." To the remaining seven defendants he said: "I think justice in the matter can be met by fines."

AMERICAN NOTES

DDT in America.—The Pennsylvania Salt Manufacturing Co., Philadelphia, is delivering several thousand lb. of DDT a month for civilian use. By next spring, it is predicted that it will be available in stores, grocers' shops and seed-supply houses.

Twentieth Exposition of Chemical Industries.—It is announced that the twentieth Exposition of Chemical Industries of the United States is being organised for the week February 25 to March 2, 1946, at the Grand Central Palace, New York. Many new products and processes created during the war are to be shown and new by-products are expected to emerge.

United States Drops Controls.—In a series of sweeping moves to facilitate the reconversion of industry and speed the flow of a wide variety of peace-time products into the hands of consumers, while still avoiding price inflation, pre-emption of scarce supplies, or a buyers' scramble, the United States War Production Board has dropped 210 more individual controls over industry.

Cold Control Tests in New York.—The effectiveness of ultra-violet ray to schools, churches and theatres in the control of airborne diseases, such as the common cold and influenza, is to be tested in a three-year experiment in the Pleasantville suburb of New York City. Three schools, eight churches and one cinema theatre are to have ultra-violet ray lamps installed by the health authorities and the research work is to be supervised by a member of the Faculty of Medicine of the University of Pennsylvania. A nearby town with approximately the same population will be kept under observation as a control.

History of a Pharmacy School.—During the school year, 1944–45, students at the Oklahoma University school of pharmacy, which commenced its fifty-third year in September, compiled a chronological history of the school. This shows that the pharmacy department was begun in 1893 under Edwin G. De Barr as the first professor. In 1894 the department had seven students enrolled. Four years later enrolment had increased to twenty-one, and by 1900 to forty-four. A four-year course leading to the degree of B.S. in pharmacy was instituted in 1908, and in 1934 the Oklahoma University Pharmaceutical Association was founded, with seventy-two charter members.

New Chemical Patents.—A concentrated toxoid for the treatment of arthritis figures in the latest list of the United States Bureau of Patents, which also includes developments in the production of riboflavin and a sugar "daribose." A patent is awarded for a series of new stable derivatives of ribose, described as alpha-anilino-n-d-ribofuranoside; the sugar is prepared by refluxing in a solvent such as alcohol a complex of alpha-anilino-n-d-ribopyranoside with soluble salts of alkali metals or ammonium. Also patented is a rubberised bag, suitable for containing lubricating oil and other hydrocarbon derivatives which normally require metal or glass containers. A method of inoculating milk with blood sera and concentrated purified sap obtained from freshly-gathered grasses and leaves, to improve its acidification, curdling and ripening, has been awarded to a German chemist, though vested in the Alien Property Custodian.

U.S. Army DDT Formula.—Addition of DDT to the U.S. Army's aerosol bomb has greatly increased the effectiveness of the insecticide mixture used, which now kills not only mosquitoes but also disease-bearing flies. Composition of the new mixture is as follows: Freon, 85 per cent.; 20 per cent. pyrethrum solution, 2 per cent.; cyclohexanone, 5 per cent.; hydrocarbon oil, 5 per cent.; DDT, 3 per cent. At the request of the U.S. Army Medical Department, Army engineers have developed three new types of sprayers and dusters for the dispersion of insecticides and rodenticides. They are a small power sprayer, a "knapsack" sprayer and a hand-duster of the rotary-blower type. All are especially adapted for dispersal of DDT insecticides. The power sprayer, primarily for outdoor larviciding, mosquito control, and area control of other pests, is a portable, piston pump, petrol-driven unit, weighing about 225 lb. It has a capacity of 3 gall. per minute at a pressure of 200 lb. per sq. in. The spray gun is made of corrosion-resistant material with an adjustment to cut off the spray completely at the gun. The knapsack sprayer has a capacity of 3 gall., is cylinder-shaped and equipped with a built-in pump, spray-gun assembly and carrying strap. The tank is 19 in. high and 7 in. in diameter. The hand duster consists of a cylindrical dust-hopper equipped with a rotary-type blower-fan operated through a sealed gear-box by a hand-operated crank. It is fitted with carrying strap, discharge tubes and nozzles, and weighs about 12 lb.

PALUDRINE: A NEW BRITISH ANTIMALARIAL

'HE announcement was made in the 'ress on November 5 of a new and revolu- ionary compound for the treatment of ıalaria. Discovered by a team of British esearch workers, the new drug, until ecently known as 4888 and now to be istributed in a form to be known as aludrine, appears at a time when measures) counter malaria are of vital importance. evolutionary because it is a much simpler ıemical compound than any anti-malarial itherto used, it is more powerful and has much wider influence upon malaria than ıy known specific. The product was iscovered by chemists and biologists of nperial Chemical Industries, Ltd., who ıve been working together on research into ıtimalarial specifics since 1942.

earch for Perfect Antimalarial

Until recent years the only drug of any al value in the control of malaria was uinine. Apart from various attempts to ynthesise the alkaloid, research chemists ıve sought for thirty-five years to make ıemical compounds of their own design ith which to combat malaria. The ork has attracted many organic chem- ts, and mass attacks, involving the ynthesis of thousands of new compounds, ıve been made by teams of workers in ermany, Britain, the United States and ther countries. Out of all this work there nerged only two compounds of any ılue: pamaquin (Plasmochin) and mepa- ine (Atebrin), discovered in 1926 and 930, respectively. There are three require- ıents for a perfect antimalarial drug. irst, it should act as a preventive against ıfection; second, it should control the ymptoms of an actual sufferer; third, it ıould prevent relapses—one of the worst eatures of this dangerous disease. Quinine nd mepacrine have proved most valuable or the second purpose, but only partly ucceed in the first since under the best ircumstances they merely prevent symp- oms from developing. Frequently a nall number of parasites remain alive in ıe infected patient, and it is common for uch a patient to develop malaria some ime after leaving the malaria-infested egion.

ew Fields Explored

During 1943, a team of I.C.I. research orkers at Blackley, near Manchester, iscovered antimalarial activity in a lass of compounds hitherto unexplored for this purpose. The work led to the discovery of Paludrine—a compound which marks a fresh turning-point on the road to the conquest of malaria. The researches were carried out in collaboration with the Medical Research Council, and Paludrine was first administered to human patients at the Liverpool School of Tropical Medicine. The successful development of the drug, in fact, owes much to the School's wholehearted co-operation. Clinical trials began at the beginning of February this year, and in the course of the work more than 100 cases were successfully treated. By arrangement with the Medical Research Council, supplies of the new drug were flown to Australia for further and most extensive clinical trials. The results have confirmed that the drug is not only more effective, but also considerably less toxic than either mepacrine or quinine. Paludrine is remarkable in its protective action against the infection from the bite of a mosquito; it is certainly more effective in this respect than either mepacrine or quinine, and it may be that suitable dosage will afford complete protection. More prolonged trials are needed, however, to determine the full extent of its protective activity, and it is as yet too early to assess adequately its value in the prevention of relapses. The preparation is colourless, and does not produce the undesirable yellowing effect encountered in most cases treated with mepacrine. It is also more powerful in its action, one part of Paludrine being equivalent to at least three parts of mepacrine or ten parts of quinine.

[*We are informed by Imperial Chemical Industries, Ltd., who supplied the above report, that technical details of the product and process of manufacture are not available for publication.*]

One-time I.G. Analyst.—Robert Ley, the leader of the Labour Front of the Nazi Party in Germany, who committed suicide recently while awaiting trial at Nuremburg, was at one time employed as an analytical chemist by I.G. Farbenindustrie. A correspondent writes: "Chemical research, however, was not his predominant interest at any time. He devoted himself first and foremost to politics and to the foundation of a national socialist 'cell' within the Trust. Through his political associations he managed to acquire a considerable knowledge of the company's financial transactions, a knowledge which he subsequently employed for purposes of blackmail."

COLLAPSIBLE TUBE CAPS AND NOZZLES

A PREVIOUS article (*C. & D.*, May 19, p. 514) traced how the collapsible-tube nozzle with its simple screw cap evolved into an applicator specially designed for medical purposes, and later also into an elongated cover for a hypodermic needle incorporated into the nozzle.

There have also been important developments in caps used simply and solely as removable closures—mainly attributable to the speed with which the plastic cap came into favour.

Novelty and special-purpose caps in plastic materials for collapsible tubes.

Coloured Closures

This change brought about the greater use of coloured closures. Some makers had already resorted to spraying metal caps to meet a demand that had already been expressed. Use of plastics enabled the cap to contribute to the distinctive appearance of the tube by matching or blending with one or another of the colours used in the finish of the tube itself. Until the arrival of the plastic cap, relatively few colour variations had been produced. In this respect the metal cap, which serves its purpose as an easily removable closure, does not contribute so effectively to the character or individuality of the tube. It has been suggested in some quarters that with the release of aluminium for commercial purposes, advantage might be taken of the colour possibilities of anodised aluminium by producing caps in that material, thus making the range of colours for metal caps as expansive as that for plastic caps. This development is hardly likely to prove economical.

Some critical users affirm that the use of metal screw-threaded caps on correspondingly threaded metal nozzles, involving friction of metal against metal, causes microscopic attrition, resulting in minute fragments of metal depositing themselves in those portions of the paste or cream which either come into direct contact with the nozzle aperture or are pressed into the threads when the cap is screwed down, thus causing discoloration and contamination. Minute signs of the former may occasionally be noticeable if the contents of the tube are of a light colour, but the criticism may be extreme. Still, it was possibly to meet such criticisms that one maker brought the metal-to-plastic transformation a step further and introduced a plastic nozzle. This is attached to the metal tube during production, and involves

he use of a specially constructed shoulder ortion. The result is, of course, a plastic ap that screws on to a plastic tube-head, nd there can be little cause for complaint f contamination.

atented Caps

Several patents for non-metallic nozzles ave been taken out. With one, the nozzle

Cap of same diameter as tube; flanged, skirted cap; elongated cap for nozzle-ended tube.

kes the form of a long spout enclosed by a lindrical cap. Another has a non-metallic zzle suitably engaged with the truncated nical portion of a metal tube. In a third, non-metallic nozzle is held in position in specially shaped shoulder by suitable rnish or cement or by means of a rim or nge, or both. The number of patents ken out in connexion with caps and zzles is, in fact, legion. Comparatively w have been found of practical value.

The arrival of the plastic cap was the gnal for renewed experiments and elaborans in cap design. Amongst these was e skirted cap. The first example had the me diameter as the body of the tube, ving a streamlined appearance to the ck. Skirted caps may be, from the point view of design, more attractive, but they ve several drawbacks, notably the ficulty of getting them to seat properly on the shoulder of the tube. Some years o caps of specially large diameter were roduced, their purpose being to combine e functions of closure and base. Tubes ted with these large caps could be stood upright in an inverted position instead of being laid flat. The caps never secured general adoption. The plug type of plastic closure is much more satisfactory, and this has proved another factor contributing to the increasing popularity of plastic caps.

Extremes to Avoid

In an attempt to exploit the cap's potentialities for imparting individuality to a tube, some manufacturers may tend to go to extremes, using designs which may prevent the cap functioning with maximum efficiency. For example, certain plastic caps are less pleasant to hold and more difficult to turn, both by customers and by the girls engaged in the capping process, because they have been made too ornamental or have edges with sharp ridges and deep serrations. A straightforward milled edge is probably less satisfactory than the hexagonal or octagonal variety from the point of view of gripping the cap; it is also less pleasant to the touch.

DRUGS IN MOUTH AND PHARYNX

The efficacy of pastilles or lozenges given by mouth for local therapy in the treatment of tonsillitis or pharyngitis depends largely on the direction of salivary flow. MacGregor and Long ("Lancet," September 8, p. 299) show that the flow appears to vary in individuals, and with the posture adopted. With a sticky, gelatin base, the spread of medicament is increased. The pastille base is therefore regarded as of great importance where local treatment is intended of tonsillar inflammation with any drug contained in a dissolving medium. In most cases the medium reaches the tonsils, but little reaches the pharynx, and they regard any attempt to treat pharyngitis with drugs contained in pastilles or lozenges taken by the mouth as foredoomed to failure. The flow of saliva at the back of the mouth and the swallowing mechanism appear to be such that the saliva does not bathe this region in the same way as it does the oral cavity. Apart from direct application with paints, sprays or inhalation, the posterior wall of the pharynx cannot be reached with drugs in effective concentration from the mouth, which thus differs from the tonsillar area. The nasal route offers an alternative for indirect application of medicaments in the treatment of pharyngitis, and the authors suggest that more attention should be paid to the possibility of treatment by this route.

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An Advance in Chemotherapy

is probably safe to say that at no time the world's history have scientific disveries followed each other with such artling rapidity. The past few years have oduced, for example, such fundamental vances in chemotherapy that this branch medical science now occupies a leading ace in the fight against disease. To the nthetic antimalarial compounds which ve been called upon during recent years take the place of quinine is now added British discovery, Paludrine, particulars which will be found on p. 489. The fact at technical details and particulars of ethods of manufacture (except that Paluine is basically a coal-tar product) are the time being withheld is perhaps derstandable, but it is clear from the formation supplied by the discoverers at the new compound represents a revoionary advance in the treatment of alaria. The appearance of this new specific this time is an event of first-class portance in the lives of those engaged in e fight against malaria, and another umph for British organic chemical earch. The team chiefly responsible for e research work comprises two chemists essrs. E. H. S. Curd and F. L. Rose), and biologist (Mr. D. G. Davey), and the rearches were carried out in the laboratories Imperial Chemical Industries, Ltd.

As Others See Us

THE writer of an article on p. 486 is unknown to us. That he is a critic with a keen sense of observation is obvious. Most of the causes of what is described as "a feeling of frustration and the wasting of good highly-skilled human material" are already well-known to pharmacists, and remedies have been suggested from time to time. We disagree with some aspects of the pharmaceutical picture presented by the writer, particularly the likeness he draws to "gulls of the sea shore" who "raid domains far removed from their appointed habitat." The allegation that pharmacists are prone to solve their economic problems by poaching on the preserves of other trades cannot be supported by facts. On the contrary, of the "side-lines" mentioned by the writer, two only, cosmetics and photography, both originated by chemists, take up any considerable part of the average pharmacist's business. In both these instances it is common knowledge that the pharmacist, far from "raiding" has, in fact, been raided. The writer appears to think that dispensing N.H.I. prescriptions is the only function performed by the pharmacist that requires technical training. Presumably he knows nothing of the intricacies of poisons law, preparation of galenicals, storage of biological products, sterilisation and the need for competent professional judgment on the hundred-and-one problems that daily arise in the pharmacy. To compare the business of a pharmacist with the practice of a doctor or dentist, whose contacts with the public do not generally involve the sale of goods, is unprofitable.

The writer is on sounder lines when he discusses the "not too satisfactory situation in the gradual disappearance of the single-shop pharmacy," and most chemists will agree with him that the tendency of some concerns to "close on the dot" makes the business of rota-fixing a difficult and one-sided problem, often involving, as three Birmingham chemists point out on p. 505, a financial loss to those concerned in providing the after-hours service. It is unfair that some pharmacists should be left the unprofitable work of late duty while others, less public spirited, skim the cream from dispensing during regular shop hours.

As a remedy the writer presents an ingenious adaptation of the arrangements whereby insurance practitioners who wish to be relieved of certain duties under their terms of service may do so on forgoing a percentage of their capitation fees. In short, the writer suggests that chemists who remain open on rota systems after the normal closing hours on Sundays, early closing days and holidays, for the purpose of dispensing N.H.I. prescriptions, should be paid extra for their trouble.

The writer is sufficiently enthusiastic regarding his subject to suggest what he calls "a blue print of an entirely new and complete pharmaceutical service for insured persons." Limited numbers of "hole-in-the-wall" pharmacies (presumably establishments devoted exclusively to dispensing N.H.I. prescriptions) would serve built-up areas, while outer and rural districts would carry on as at present. The difficulty here appears to be that the "holes-in-the-wall," which are to be "all sufficient" and "dotted here and there," would provide no better service than that obtainable in existing pharmacies, and would certainly show a loss on the year's dispensing at present rates of remuneration. Perhaps the writer's suggestion that "chemists would need to be paid far, far better for their highly skilled professional services than they are at present" would meet these objections. While we have no doubt that the article to which we have referred will be read with interest by retail pharmacists, we are sure they will agree that on some of the more important points the writer's views result largely from lack of actual experience of the problems confronting pharmacy.

Science and Trade on the Screen

LATEST news of the film industry, both here and in America, clearly indicates that industrial and scientific films are to play an important part, not only in training pharmacists and industrial chemists, but also in the development of British export trade. Schemes are already in operation for the production of films as export sales propaganda. They are to be shown by teams of specially trained salesmen wherever British products are sold.

The British Council has concentrated for some time on distributing films made specially for showing overseas, and has sponsored a range of films, both scientific and industrial, in as many as twenty-two different languages. One film-producing company announces that it has started a series of films, with commentaries in many languages, under the title "Scientific Manufacturing in Great Britan"; these will stress the pioneer work of British scientists in establishing high standards of production and quality in industry. The films will be available on loan to schools and industrial organisations.

It is understood, too, that Dr. Weber producer of many scientific and industrial documentary films, is discussing the making of a film on the release of atomic energy. Among pioneers in the production of scientific and medical films are Imperial Chemical Industries, Ltd., whose film department is concentrating on production of clinical and preclinical medical films and films on veterinary, agricultural and schools aspects of science. Among recent productions is one in technicolor called "This is Colour," dealing with the scientific evolution of dyes from the discovery by Perkins in 1856 of the mauve dye produced from coal tar to the modern processes carried out in the laboratories of the I.C.I. dyestuffs group. For schools and technical colleges such films as "Water," a straightforward instructional film dealing completely with the chemical aspects of water, are available. The film concludes with a tribute to research chemists and the importance of continued study of water and its constituents. Medical films made by I.C.I. have established a widespread reputation and an anæsthesia series comprises, at the moment, eleven films.

Among manufacturing chemists who have recently made films of a pharmaceutical nature are British Colloids, Ltd., whose twenty-minute 16-mm. film "Colloids in Medicine" is a valuable aid to pharmaceutical and medical students. Teachers of pharmacy who contemplate using films as a supplement to the normal courses of study should, moreover, have no difficulty in finding suitable films on botany, a subject that has always been a favourite with professional and amateur producers.

Business Training for Ex-Service Men

LTHOUGH Service pharmacists returning civilian life are catered for in specialised fresher courses, there are other sections the trade that are affected by a "Report Training for Business Administration" cently issued as a White Paper. The report the work of a committee set up by the inister of Labour and National Service in bruary to consider how far the absorption o industry and commerce of young men d women released from war service and sirous of beginning or resuming a business reer would be advanced by providing ining in business administration and esmanship, and to make recommendans accordingly. In a preliminary survey e committee, which consisted of eighteen mbers, among them representatives of ucational, industrial and distributing ganisations and trade unions, defines the ss of persons considered by the committee those who went into the Services straight m school or college or after only a short riod in business, and will thus be returnto civil life at ages between twenty and rty; whose educational standards are h as to qualify them for employment ding to administrative and executive ts; and who desire employment so soon possible. Such persons present problems h in themselves, by reason of difficulties psychological adjustment, and the fact t their qualities of character may have stripped their knowledge of or experience business affairs, and to their employers, may have difficulty in providing suite posts at salaries that are adequate hout prejudicing the promotion of sting employees.

he suggested method of meeting these ied needs is the provision of courses tended to be no more than an introduc- n to business methods," the subjects g limited in number and general in racter. The courses would be of three nths' duration, full-time, or longer part- e, and given before or after engagement an employer. Included in a suggested abus are the following subjects: Struc- e of the business world; individual iness concern; human, economic, accounting, financial, statistical and legal aspects of business; and a study of typical practical problems.

The report states that many undertakings in the retail distributive trades considered such a syllabus hardly suited to their needs, and the committee has therefore recommended that the Retail Distributive Trades Conference should set up a small committee to draw up a syllabus containing subjects more directly related to problems of distribution. On the other hand, the committee considers that "The City," which includes various types of merchant business, offers a high proportion of administrative posts of a kind suitable for the class of ex-Service men already mentioned. It has "some reason to think" that, in addition to their own staffs, City firms might be prepared to take on learners, giving them some months' practical training which could be supplemented by part-time day or evening classes. To give the Ministry an informed opinion, a conference of representatives of the types of business concerned is suggested. All training, the committee recommends, should be co-ordinated with training given in the Services.

Lifetime of Debts

It is common knowledge that unless Court action is taken within certain specified periods of time, debts cannot be recovered. Under the Limitation Act of 1935, actions for debts under simple contract or based on tort must be brought within six years. For speciality contracts (contracts in writing under seal) the period is twelve years. The Limitation (Enemies and Prisoners of War) Act, 1945, extends the periods in certain cases. When a person who would be a necessary party to any action, if brought, has, during the war, come under the designation, "enemy," or has been detained in any enemy territory, ordinary limitation periods are deemed not to have run while the person was an enemy or was detained, and in no case does the limitation period expire before twelve months from the date on which the person concerned ceases to be an enemy or was freed from detention, or before twelve months from the date of the 1945 Act (March 28, 1945), whichever is the later.

SIGHT-TESTING EQUIPMENT—6

by S. H. Lees, F.B.O.A. (Hons.)

FOR the purpose of detecting abnormal conditions of the eye, the writer suggests the following apparatus as a minimum: Ophthalmoscope, retinoscope, perimeter, Bjerrum screen with Traquair targets, colour tests (lantern and Ishihara), hand slit-lamp, and binocular loupe.

Many instruments are available in which the features of the ophthalmoscope, retinoscope, and slit-lamp are either embodied in one instrument, or in one instrument with interchangeable heads. This represents a saving in cost and an increase in convenience. The retinoscope is listed because, in addition to its use in refraction, it is often better than the ophthalmoscope in enabling the optician to discover incipient cataract. Lens opacities are most clearly seen when retinoscopy has completely neutralised the shadow movement. At this stage, extremely slight opacities can be observed which would be barely visible using an ophthalmoscope. The earliest sign of incipient cataract occurs when, during retinoscopy, the structure of the lens fibres can be seen. At a later stage more definite opacities can be observed through the ophthalmoscope, but either condition requires immediate treatment.

Ophthalmoscope Illumination

One maker of ophthalmoscopes utilises a lamp which is in common use for car lighting, the advantage being that such lamps are always easy to procure in emergency. The lamp provides intense illumination and also intense heat, so that the instrument can be handled with comfort only for comparatively short periods. The position of the corneal reflex is important, and some models incorporate screw adjustments by which the position of the reflex can be moved in any direction. In ophthalmoscopes employing lamps similar to pocket torch bulbs, some such adjustment is essential. No two bulbs are exactly alike in performance: each bulb requires a different adjustment to place the corneal reflex where it will cause least annoyance. An instrument that employs polarisation of light to eliminate the reflex is the Cardell polarised ophthalmoscope. In choosing an instrument the question of corneal reflex is by far the most important.

Patients are frequently encountered in whom pathological causes are suspected, but who present no definite objective symptoms. In all such cases the visu fields should be plotted by perimetry. Tl small hand perimeter of 15-cm. radius h little practical value. The patient may n hold the perimeter steadily, and the arc c hand perimeter is too narrow to provi a suitable background for the target. Tl type recommended by Traquair has radius of arc of 30 or 33 cm. The width the arc is at least 10 cm., and the instr ment is lined with a black, matt materi and provided with a sturdy base and ch rest. Expensive, self-registering perimete lengthen the time of the examination, sin the targets are geared to a pointer on tl chart, and cannot be transferred quick from one part of the field to another. Mor over, in judging the extremity of the fiel the hand target can be moved backwar and forwards several times while the gear target would be making one journey. Tl most complicated instrument is not alwa the most efficient, and in the case of tl perimeter, it is, indeed, inefficient. Traqua targets should be used both for perimet and scotometry.

The Bjerrum screen, for investigating t size of the blind spot, and for detail examination of central portions of the fiel was described in the first article in t present series. Examination of the visu fields, and the conclusions to be drav from the existence of contractions scotomata, are explained in detail in Tr quair's "Introduction to Perimetry," pro ably the most useful book at prese available on this subject. Those who wi to make their own Bjerrum screen will fi Traquair's instructions easy to follow.

Detecting Corneal Irregularities

A Placido disc, consisting of concent black and white circles, while not essenti is easily made, and assists in detecti irregularities of the cornea. The patie sits with his back to the light while t observer looks through a central sight-h in the disc at the reflection of the black a white rings in the cornea. A break irregularity in the appearance of the rin denotes the presence of a foreign body some irregularity of the corneal surfa such as conical cornea. A Placido disc m be made by placing a circular piece cardboard of about 12-in. diameter on t turntable of a gramophone. The sm sight-hole fits over the peg, and when t

rntable is in motion the rings are painted holding a brush, dipped in Indian ink, ationary at suitable intervals. The rings ould be made about 1 in. wide, separated white spaces of the same width. Pro-ded the black and white rings are equal width the exact size is unimportant.

Lantern tests and the Ishihara test have w superseded most of the other methods checking colour vision. The commonest pe of acquired colour blindness being the l-green blindness of retro-bulbar neuritis, e writer uses his colour lantern to provide red light as a fixation spot during retin-copy. Thus ordinary cases of acquired lour blindness (usually due to tobacco or ohol poisoning) are discovered auto-atically during refraction routine, when e patient protests that the light is not red.

ihara Test

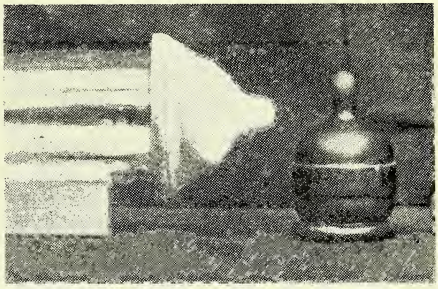
The Ishihara test was for a time unob-nable. Originally it was made in Japan t now it is again available in a new edi-n made in this country. The test is in e form of a book. Each page displays a mber easily seen by those with normal our vision, but, owing to the colouring ployed, colour defectives either read the mber wrongly or not at all. A patient ently failed this test in a rather amusing nner. The writer was puzzled because er tests showed normal colour vision, til he realised that the patient was reading t consecutive numbers from the bottom each page, in spite of the fact that the ge numbers were hardly readable without nagnifier. In all subjective tests one has be constantly alert to avoid some mis-derstanding.

ocular Loupe

The cheap metal binocular loupe is quite viceable for external examination of the e but, if worn with the elastic headband, e whole weight rests uncomfortably on e bridge of the nose. A better arrange-nt is to have the loupe suspended from etal headband that also takes a concave rror for focusing the illumination. The iter uses a vulcanite loupe, made to fit own Placido disc, which employs inter-ngeable lenses. As spectacles cannot be rn with it, the lenses used will vary not y according to the part of the eye under servation, but also according to the ical defects of the refractionist. A small p mounted on the loupe gives shadow-s illumination, and leaves both hands e for the removal of foreign bodies, if y, from the eye.

AN IMPROVED FEEDING-BOTTLE TEAT

Faced with the need to transfer his own baby to feeding by artificial means, and considering that existing feeding-bottle teats failed to reproduce the natural process of munching or chewing, Bery ("British Dental Journal," June 15, p. 361) set about



Mounted teat compared with unmounted teat of type commercially available.

designing an improved teat. His object was to ensure that the muscles of mastication and the superior hyoid muscle were fully employed, and that the teat did not result in under-development of the mandible and subsequent over-crowding of the dental arch. After taking an impression of a well-formed breast in a hydrocolloid material, he made a cast to which he designed a teat in wax. From this tin moulds were made and the teat subsequently processed in a modified polyvinyl resin, free from toxic plasticisers. The advantages claimed for the material were that it can be boiled for longer periods than rubber without appreciable alteration in substance or shape. The material is inert to acids, alkalis and sunlight, is easily cleaned, and offers a resistance to pressure similar to that of human tissue. Design of the teat was modified so that, for slow feeders, it could be turned to present slightly flattened and softer sides to the infant, these being more easily grasped between the lips. A fast feeder encounters resistance from pressure of the chin against the bulbous portion. Four or more small holes are pierced in the nipple of the teat, which is attached to a wide-mouthed jar without valve. Air pressure within the jar is adjusted to atmospheric by occasionally lifting the rim of the teat from the side. The feeding-bottle and teat were successfully used for the dentist's baby for over eight months.

GLASGOW'S NEW AWARD FOR STUDENTS

A MEETING of the Glasgow and South-western Scottish Branch of the Pharmaceutical Society was held on October 10, Mr. A. Officer in the chair. Mr. J. C. Young (president of the Society) and Dr. J. Tait (resident secretary in Scotland), Mr. A. A. Meldrum, Aberdeen (a member of Council), and Mr. Lamb, Montrose, were among those present. Mr. A. B. Gilmour (secretary) read an intimation from the Royal Technical College, Glasgow, indicating that few pharmacists were taking advantage of the classes in biochemical analysis, and that the course might cease unless the number of entrants improved.

Awards of Existing Prizes

It was intimated that the Anthony McMillan Memorial medal and prize, awarded to the student at the Royal Technical College with the best class record in the Chemist and Druggist qualifying course, had been awarded to Mr. William McKeith, Strathaven. The chairman announced that the Kinninmont Prize (value £10 10s.) had been awarded to Mr. David Jack, 60 Saltoun Street, Glasgow, who had also won the governors' scholarship and Stockdale prize, given to the best student in the first year. In addition Mr. Jack had won the Malcolm Kerr bursary in botany. Mr. H. P. Arthur explained that Mr. Kinninmont had been an examiner for twenty-one years; when, fifty years previously, he had received a monetary testimonial from his colleagues, he had given the money to found the prize. Mr. Jack had gained more marks than any other candidate since inception of the prize. Mr. J. C. Young (president) handed over the prize to Mr. Jack, extending his congratulations.

Gift by Wholesaler

The chairman said that at the previous annual meeting there had been a discussion on establishing one or two prize funds by the branch for the encouragement of students in pharmacy. Mr. McNeil (chairman, James Taylor, Ltd., manufacturing and wholesale chemists, Trongate, Glasgow) had offered to enter into a deed of covenant conveying to the branch £150 of tax-free income (equal to £300) each year for seven years—equivalent to a total gift of £2,100—the interest on the money to furnish prizes for students at the technical college. To commemorate the founder of the company, it would be called the James Taylor Memorial fund. The gift far exceeded anything they had ever expected, and they owed deep debt of gratitude to Mr. McNei Mr. J. McCrone (vice-president of th Branch) said the gift would be an encou agement and stimulus to those enterin pharmacy, and proposed that a letter shoul be sent to the company, coupled with th name of Mr. Alister McNeil, expressing th thanks of the Branch for this magnificer and encouraging gift. The motion wa carried with acclamation.

Mr. J. C. Young (president of the Society gave an address on "The New Health Se vice. Where are we Now?" The questio of health centres, he said, should not be political issue. The tendency would be fo pharmacists to become civil servant Chemists' shops would not be affected fo some years, but there would be a stead attraction of dispensing away from then and they had to see that all dispensing wa done under the control of pharmacists. they believed that a complete pharma ceutical service could be supplied by exis ing facilities, they should urge the use o these to the full.

Discussion

MR. H. P. ARTHUR said they shoul remember what happened thirty years ag and learn their lesson. They had been pr cluded from discussing the remuneratio question in connexion with the Whi Paper, but he was glad to find this aspe was now being considered. They wante adequate professional remuneration for the work.

MR. COLIN CAMPBELL asked if it wa intended to reorganise the Committ before approaching Mr. Aneurin Beva and MR. YOUNG replied to the effect th the Council of the Society claimed to repr sent every type of pharmacist. They we not disregarding any interest but we proceeding as a professional body to g professional terms. They hoped to wide the Committee when they had made so progress. MR. CAMPBELL complained th a memorandum had been sent down fo the consideration of the Branch after had been presented to the Minister Health. THE VICE-PRESIDENT (Mr. McCron proposed a vote of thanks and MR. ME DRUM called for a similar vote for th chairman.

Still Urgent.—The need to recover eve scrap of used paper and cardboard is urgent as at any time during the war.

LEICESTER PRIZEGIVING

E annual distribution of prizes of the ool of pharmacy of the Leicester College Technology and Commerce took place on ober 23. The proceedings were opened Mr. H. J. Collis (chairman of the local nch of the Pharmaceutical Society). orts on the session were given by srs. L. W. Kershaw (principal of the ege) and Colin Gunn (head of the ool of pharmacy), who said the diffies of the war years were beginning to ppear and a period of stability and ancement was in store for the school. A esher course introduced the previous r was being continued.

ollowing the reports, the prizes were ented by PROFESSOR H. BERRY (Dean e College of the Pharmaceutical Society), congratulated the students on the school they had in Leicester. He said le were now at the beginning of her phase of post-war planning, and rmacy was due for overhaul. One of the compensations of war was that it ys activated research and was prolific s new discoveries. That was particu- true of the war just ended. Good rmaceutical service was indispensable pharmacy had to keep pace with the ges. Was pharmacy to mean that on of medical practice which was con- ed with drugs, their preparation and ufacture, properties, action, uses, dos- their compounding and dispensing, and the pharmacist to be expert in all these s, no matter where the ations were carried out, ther in retail, wholes hospital or research ratory? Or was phar- y to be a section of e commercial activity primarily concerned these activities? He v of no other profession, pt medicine, which d offer such a variety ctivities, or cater for a variety of personal acteristics and inclina- s.

ewinners

e names of the success- students were as fol- : *Intermediate course*, r. B. Pharm. section, Wright; Pharmaceutical Society section, first and biology prizes, Eileen Jones; chemistry, Raymond Sturgess; physics, Dorothy Mills. *Pharmaceutical Society and B.Pharm. course*, prize and certificates of honour in pharmaceutics, pharmacognosy and practical pharmacy, Margaret Dalton; certificates of honour in pharmaceutical chemistry and physiology, Joyce Page. Prizes presented by (*a*) *A. de St. Dalmas & Co., Ltd.*, first and certificates of honour in pharmaceutics, pharmacognosy, chemistry, physiology and forensic pharmacy, Dorrell Bragg; second, Arthur Higginson; (*b*) *The British Drug Houses, Ltd.*, pharmacognosy, Dorrell Bragg; (*c*) *E. H. Butler & Son, Ltd.*, post-intermediate prize, Robert Richards; (*d*) *Pharmaceutical Society of Great Britain* (to best student-associate of session), Dorrell Bragg; (*e*) *advisory committee of the School of Pharmacy* (for public spirit and progress), John Carless; (*f*) *Mr. George Hannam*, (dispensing proficiency cup), Dorrell Bragg; (*g*) *Ucal, Ltd., Cheltenham*, Young Memorial prize, Dorrell Bragg; (*h*) *Genatosan, Ltd.* (for window display), first, John Carless and Kenneth Bunting; second, Robert Timson and Dorrell Bragg; (*i*) *Mr. A. R. G. Chamings* (for outstanding merit), Joyce Page.

A vote of thanks to Professor Berry was proposed by MR. E. B. WARD, and MR. KERSHAW proposed a vote of thanks to the chairman.

U.S. PHARMACIST BEHIND BRITISH COUNTER.—Sergeant-Technician Timothy A. Lucum, United States Army, serving a customer in a Nottingham pharmacy, under an agreed Training with Civilian Agencies scheme.

FRENCH OIL AND SOAP INDUSTRY

by a Paris Correspondent

NOW that palm, peanut and linseed oils are once more coming into French ports, the oil and soap industry shows signs of resuming activity. At Marseilles, factories are already working, and in August 18,000 tons of peanuts were used in oil extraction. This figure was increased by 40 per cent. to over 25,000 tons in September, but the output is still far from enough to ensure use of the total capacity of the refineries, which before the war handled more than 60,000 tons monthly. Even the present rate of production is not assured for more than four to six weeks, after which it may be necessary to stop work again until fresh imports arrive. Before the war, 1,400,000 tons of oleaginous seeds was refined in factories in the Marseilles region, to supply an average of 1,200 gm. per person per month. Except for animal fats and an insignificant domestic supply, production was entirely dependent on imports, and between 1940 and 1944 this fact caused extreme privation. Imports first declined then ceased altogether. Intensive cultivation of oleaginous plants in France produced only a monthly supply of 80,000 tons of seed, which theoretically produced 250 gm. of fats for each person.

Supplies from non-French Sources

The total harvest of peanuts in French colonies has already arrived in France, and supplements can only be hoped for from British colonies. Before the war, Senegal used to produce 400,000 tons of peanuts yearly., but this year's harvest was only 160,000 tons, of which only 65,000 tons was imported by France. Since 1940, oil refineries have been established in the colonies, and more than a half of the harvest is treated there. This creates a further difficulty, because France has not the tankers necessary to transport the refined oil from Dakar to French ports, although the seeds are easily handled and in great demand. The importance of the seed is further emphasised by the fact that 100 kilos of seed yields about 45 kilos of oil and 55 kilos of seed-cake, which is used for animal feeding. The latter cannot be transported, since it oxidises on the voyage, and is wasted as fuel for locomotives. For these reasons the attempt is to be made to procure imports from other countries, notably soya from America. Soya is less satisfactory than peanut, since the oil extraction is only 15 per cent. To obtain 10 tons of oil thus requires 70 tons soya, against 25 tons of peanuts. Th soap position has not proportionate improved since the liberation. Compare with the ration of fats, which is abou half of the pre-war figure, soap incorporat only about one-sixth of its pre-war conten Difficulties encountered by soap man facturers are many. Only a small quanti of raw materials is distributed to ther and the materials supplied are difficu to work, because the manufacturers a obliged to incorporate talc, clay, etc which makes the soap look unattracti and necessitates a division of the man facture into two separate processe Whether the position is likely to improve is difficult to say. Manufacturers hope th the end of the war with Japan may eve tually lead to supplies from the Philippine but this is at present only a hope.

Scarcity of Soda

Other difficulties are present in tl manufacture of detergents. The scarcity soda is due largely to poverty of ra materials and lack of fuel. For this reaso only one consumer out of five can hope find 250 gm. of detergent for a "soa ticket." Thus the crisis in the soap indust has by no means been resolved. Fro February 1946, when the new harve begins to pour into the presses, and provid it is possible to import the 850,000 tons seed for which the Ministry of Food h planned, it may be that one of Franc oldest and most prosperous industri will once more take its place in the nation economy. The following is a comparis between average monthly productions the soap industry in 1938 and Augus 1945:—

Material	1938	1945
	tons	tons
Toilet soap	1,370	1,515
Household soap ..	19,104	3,386
Detergents	7,540	4,277
Shaving products ..	82	112
Glycerin	165	86

Medical Uses of Sulphonamides.—A se ond edition of Medical Research Counc War Memorandum No. 10, bearing th title, has been issued. Of the first editio 50,000 copies were sold.

OVERSEAS TRADE NEWS

onditions of Java Plantations.—A mess- from Singapore states that damage to ntations in Java has been great. Rubber quinine, however, are in a fair condition.

ustralian Export Controls Lifted.—Mel- rne radio stated on October 27 that the mmonwealth Minister of Customs had ounced the lifting of war-time restric- ns on export of 500 descriptions of goods, ch will in future be subject only to the al customs requirements. The goods ude drugs and chemicals.

eruvian Pharmaceutical Imports.—Im- ts of pharmaceutical and chemical ducts into Peru during the second rter of 1945 were valued at 8,233 usand soles, against 12,332 thousand s in the corresponding period of the ceding year. During the same quarters orts of barbasco (source of rotenone) e valued at 2,913 thousand soles and thousand soles, respectively.

.S. Industrial Chemicals.—Shipments ndustrial chemicals are understood to noving out of New Orleans, but export nand has been affected by difficulties at l piers, and many items are in short ply. With the new contract season er way rather early this year, future iness is already being booked in ammonia, el salts, Glauber's salt, hydrochloric nitric acids. Caustic soda and soda are scarce on spot, but it is expected both items will become easier by November or early December. The st prices (25c. to 17c. per lb.) for nanganate of potash reflect a gradually ng supply position in this item.

.S. Far-eastern Trade.—The U.S. State partment stated on October 26 that mpt resumption of American business rations in the Pacific area was expected. ular steamship services between the . and the Far East were resumed on vember 1, private shipments being epted. Transport by air, hitherto avail- only by way of India, will shortly be ilable across the Pacific, and the War partment has agreed, whenever possible, urnish food, quarters and local transport American business men in parts of the East, where such accommodations are obtainable in the usual way. Communi- ons have been re-established with the icipal cities on a commercial basis, and rts are being made to bring about the stablishment of banking services. American consular officers are on duty in the principal cities of China and at Hong Kong, Manila and Singapore. The presence of representatives of American firms is recognised as necessary to the restoration of trade, and the Department has been granting passports since shortly after VJ day.

U.S.–Belgian Agreement.—The Governments of the United States and Belgium announced agreement on October 20 on urgent financial and supply problems created by the economic support given by Belgium to the United States armed forces and the termination of Lend-Lease aid to Belgium. The United States Army has substantial quantities of equipment, clothing and foodstuffs which are greatly needed by liberated areas of Europe and which would otherwise be declared surplus. There is a great deal of this kind of property, including medical supplies, in Belgium. Under the arrangements announced the Belgian Government will be permitted to select up to $45 millions' worth of such articles, to be transferred under straight Lend-Lease.

Tunisian Olive Oil Production.—The 1945–46 preliminary forecast for olive-oil production in Tunisia is 22,000 short tons, against an estimated 82,500 tons in 1944–45 and 38,500 tons (actual) in 1943–44. The 1944–45 olive crop was the largest on record for Tunisia, and estimates of probable olive oil production were high. At the start of last season, however, producers were concerned over lack of storage space. The problem was solved by various emergency measures but, when the season ended, the quantity of oil entering legitimate marketing channels was found not to have come up to earlier predictions, and a downward revision was made in the estimates. A large quantity of oil is believed to have entered black-market channels, and the current official estimates are therefore considered low. There will probably be little, if any, olive oil available for export, since domestic requirements, estimated at 33,000 short tons annually, are in excess of the season's small output. Other cheaper edible oils, if available, may be imported, and a limited quantity of the more expensive olive oils may be exported to secure foreign exchange. Unpredictable factors include a world shortage of fats and oils, which would make any cheaper oils available for import difficult to obtain.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent th prices for wholesale quantities of standard quality. C.i.f. quotations do not include excep tional marine risk insurance and other abnormal charges payable under present conditio

28 Essex Street, W.C.2, November 7

WITH the resumption of work at the docks, merchants are more hopeful of an early improvement in business, especially in the export trade. So far as CRUDE DRUGS are concerned, little of interest has occurred during the week. Prices have remained generally firm, with the home consuming trade taking the bulk of the supplies of available goods; the future supply position remains uncertain. Although no prices on which business could be based have so far been received from the Far East, quotations for ANISE OIL and MENTHOL have been mentioned; it is reported that goods are being loaded at China ports, but it is unlikely that consignments at this stage would include produce for the open market. No price changes have occurred in PHARMACEUTICAL CHEMICALS, but makers' schedules for ASPIRIN, BARIUM SULPHATE (*X*-ray), SALICYLIC ACID and SODIUM SALICYLATE have been adjusted to include the new packing charges. The alterations in prices are small.

Business in CRUDE DRUGS has been quiet during the week, and for the most part previous quotations are repeated. It is reported that the price of Cape ALOES has advanced at the source by 10s. per cwt. Small supplies of ARECA NUTS may be found on the spot. CHERRY BARK now appears to have been cleared. ERGOT has a firm tendency, and a few export orders are noted. GUM ACACIA remains firm at previously quoted figures. Indian MALE FERN ROOT is dearer on spot. Applications are reported to be going in for licences to import natural MENTHOL, but it is unlikely that any supplies will be available for consumers until next year. SEEDS are in quiet demand, with only one price change—a reduction in FENUGREEK—reported. Small supplies of SENEGA ROOT are now landing. The arrangement whereby importers of crude BEESWAX purchased, from the Ministry of Supply stocks, a like quantity to that imported, has now been discontinued. This follows the suspension of the United States and United Kingdom "ceiling" buying-price agreement in countries of origin.

The Minister of Food announces that the only change in existing prices of UNREFINED OILS and FATS allocated to primary wholesalers and large trade users during fo weeks ending December 1 is in cru RAPESEED OIL, which has been advance by £3 per ton.

U.S. Drug Market Report

New York, November 2

EXPECTATIONS of considerable improveme in the chemical supply situation in t United States with the ending of the w have not been fulfilled. Stocks of most iten are small and, in spite of military contra cancellations and lags in industrial reco version, supplies are tighter than at ar time during the war. The situation further complicated by an accumulation export inquiries from European countri deprived of their former sources of suppl INDUSTRIAL CHEMICALS, in particular, a becoming exceedingly tight, and expo orders on hand are proving difficult to mee Some quarters express fears of a shorta of high-grade industrial ALCOHOL for toil goods and pharmaceuticals around the en of the year. The Government's 80-millio gall. stock, with the limited output industrial materials allowed under Gover ment controls is, however, thought likel to produce sufficient to meet the needs industry. The suspension of "ceiling prices for imported CARNAUBA, OURICUR and CANDELILLA WAXES has caused som excitement in the trade. Reports indica that about $1 per lb. will have to be pa for No. 3 north country wax, f.o.b. Brazi for January shipments, including freigh U.S. importers are prepared to mark tim until the situation becomes more settle Few developments have occurred amon the CRUDE DRUGS, with most botanica very tight. Spot supply of many item including LOBELIA HERB, DANDELION RO and ANGELICA ROOT, is very small. A Stat Department report, indicating prompt r establishment of American business in th Pacific, is regarded as highly favourabl It is hoped that replacements of a numb of articles from the Far East may be possibl much sooner than many had expected. On of China's important exports, for instance used to be natural MENTHOL, now pr duced on a considerable scale by a youn industry that has sprung up in Braz under favourable price conditions.

Pharmaceutical Chemicals

IPHETAMINE.—Makers' prices are steady at per lb.

PIRIN.—Prices per lb. current in the home et are:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
4 lb. ..	4 5½	—	—	—	—
7 lb. ..	4 4½	4 3	—	—	—
14 lb. ..	4 3½	4 2	4 1	—	—
28 lb. ..	4 2½	4 1	4 0	3 11½	—
112 lb. ..	4 1½	4 0	3 11	3 10½	3 9½

Prices net one month.

RIUM SULPHATE, B.P. (*x*-ray).—Home et prices per lb. are as follows:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
4 lb. ..	1 10	—	—	—	—
7 lb. ..	1 9	1 7½	—	—	—
14 lb. ..	1 8	1 6½	1 5½	—	—
28 lb. ..	1 7	1 5½	1 4½	1 4	—
112 lb. ..	1 6	1 4½	1 3½	1 3	1 2

Prices net one month.

MIDES.—Makers' prices per lb. for POT-M, in 28-lb. lots, are as follows (containers ckets): 3s. 8d. (1-lb.); 3s. 7d. (2-lb.); d. (4-lb.); 3s. 5½d. (7-lb.); 3s. 5d. (14-lb.) . (28-lb.). SODIUM, ½d. per lb. less; NIUM, 2½d. per lb. more.

MORPHINE.—Current rates per oz., for quantities, are as follows: BASE.—½ oz., d.; 1 oz., 56s.; 2 oz., 54s. 6d.; 3 oz., d.; 4 oz., 53s. 6d. HYDROCHLORIDE.—54s. 3d.; 1 oz., 51s. 9d.; 2 oz., 50s. 3d.; 49s. 6d.; 4 oz., 49s. 3d.

YLMORPHINE.—Small quantities are quo-r oz. by makers as follows: BASE.—61s. 6d.; 1 oz., 59s.; 2 oz., 57s. 6d.; 56s. 9d.; 4 oz., 56s. 6d. HYDROCHLORIDE. , 53s.; 1 oz., 50s. 6d.; 2 oz., 49s.; 3 oz., d.; 4 oz., 48s.

ATROPINE.—Makers' prices per oz. are lows (prices per gram in brackets): OID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d., 87s. 8d. (6s.). HYDROCHLORIDE, HYDRO-DE and SULPHATE.—1 oz., 75s.; 4 oz., 6 oz., 65s. (3s. 2d.).

ATES.—Prices are as follows: LACTIC -Six-winchester lots, 3s. per lb.; smaller ties, 3s. 1d. CALCIUM LACTATE.—Small ties, 2s. 5d. per lb. CALCIUM SODIUM E.—Powder, small lots, 3s. 7d. per lb.; 3s. 4d.; 28 lb., 3s. 2d.; granular, one per lb. extra.

NESIUM CARBONATE, HEAVY.—Home mar-ces per lb. for quantities of 28 lb.–1 cwt. are as follows (containers in brackets): 1s. 7d. (1-lb.); 1s. 5½d. (4-lb.); 1s. 4½d. (7-lb.); 1s. 4d. (14-lb.); 1s. 3d. (28-lb.).

MAGNESIUM CARBONATE, LIGHT.—Home market prices per lb., in lots of 28 lb.–1 cwt., are as follows (containers in brackets): 1s. 4d. (1-lb.); 1s. 2½d. (4-lb.); 1s. 1½d. (7-lb.); 1s. 1d. (14-lb.); 1s. (28-lb.). Prices net one month.

MANDELATES.—Makers' quotations are unchanged. SODIUM and CALCIUM.—4 oz., 8 oz., and 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb. (in 7-lb. packages), 16s. 9d.; 28 lb. (in 7-lb. packages), 15s. per lb., net. AMMONIUM (50 per cent. solution).—4 oz., 8 oz., and 1 lb., 11s. 9d. per lb.; 4 lb., 10s. 9½d.; 7 lb., 9s. 10d.; 14 lb. (in 7-lb. packages), 8s. 11½d.; 28 lb. (in 7-lb. packages), 7s. 11d. per lb. net. Packages extra and returnable.

MANDELIC ACID.—Current rates are as follows: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

MERCURY SALTS.—New prices per lb. under the Control of Mercury (No. 11) Order, 1945, were given in the *C. & D.*, October 3, p. 388.

METHYL SALICYLATE.—Continues in good demand at unchanged prices. Smalls, 2s. 6d. per lb.; winchesters, 2s. 1½d.; 56 lb., in demi-johns, 2s.; 1 cwt., in demijohns or carboys, 1s. 11½d.; 5 cwt., 1s. 11d. All prices net.

TERPINEOL.—Pure medicinal quality is available at from 3s. 3d. to 4s. per lb. for use in antiseptics of the chloroxylenol type.

THEOBROMINE.—The following prices are ruling: ALKALOID.—Smalls, 44s. 6d. per lb.; 7 lb.–28 lb., 43s. SODIUM SALICYLATE.—Smalls, 26s. 6d.; 7-lb.–28 lb., 25s. 1d. Tins extra when supplied.

VANILLIN.—The agreed prices are unchanged as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 3d.; 56 lb., 21s. 6d.; less than 56 lb., 21s. 9d. per lb.

Crude Drugs

ALOES.—Price of Cape has advanced by 10s. per cwt. at origin, making quotations around 105s. per cwt., c.i.f., U.K. The last price from Curaçao was at 300s., c.i.f., direct from Curaçao.

ANTIMONY.—Quiet conditions obtain in this market, with prices unchanged. English minimum 99 per cent. regulus, £112 10s. per ton, delivered; 70 per cent. crude, for the home trade, £90.

ARECA NUTS.—Small spot supplies may be found at 85s. per cwt.

BALSAMS.—*Canada*, in small supply on spot, from 13s. 6d. to 14s. per lb.; *Peru*, 8s. per lb.; *Tolu* and *Copaiba*, unobtainable.

BELLADONNA.—English herb is quoted at 4s. 6d. per lb. Indian root, testing 0·25 per cent., 2s. 3d. per lb.

BISMUTH.—Metal is steady at 6s. 3d. per lb. for minimum 5-cwt. lots.

BUCHU LEAVES.—In small supply on spot at 5s. 3d. to 5s. 6d. per lb.

CASCARILLA.—Small lots may be obtained at around 3s. 3d. to 3s. 6d. per lb.

CHAULMOOGRA.—Spot price of *Hydnocarpus* is at 2s. per lb., in tins in cases.

CHERRY BARK.—The small lot mentioned last week has been sold.

CHILLIES.—In poor supply at last week's increased price of 120s. to 130s. per cwt., according to seller.

CINNAMON CHIPS.—May be obtained on spot at 2s. 2d. per lb., ex store.

CLOVES.—Firm. Zanzibar, spot, London, 1s. 7d. per lb.; shipment, November–December, 9¾d., c.i.f.

COCHINEAL.—Silvers are quoted on spot at 5s. 9d. per lb.

COCOA BUTTER.—Maximum official price is 1s. 5½d. per lb., except for sales under licence.

COLOCYNTH.—About 2s. 6d. per lb. would be the spot price of good-quality pulp; in bond, 2s. 4d.

DIGITALIS LEAVES.—Prices are unchanged. Portuguese, spot, 140s. per cwt.; English-grown, 2s. 6d. per lb.

ERGOT.—Market has a firm tendency and the product would not be procurable at under 7s. per lb. on spot.

GINGER.—West African, spot, 85s. per cwt.

GUM ACACIA.—Firm. Kordofan cleaned sorts, spot, 76s. per cwt., London; 74s., Liverpool; and 74s., Manchester; bleached, spot, 150s.; Talha, cleaned, 42s. 6d.

HENBANE.—Indian, spot, 250s. per cwt.; Egyptian (*muticus*), 85s.

JALAP.—The following grades are available on spot: 10·1 per cent., 3s. 6d. per lb.; 13·2 per cent., 4s.; 14·4 per cent., 4s. 3d.

KAMALA.—Spot price of material yielding 6 per cent. ash is steady at 2s. 9d. to 3s. per lb.

KARAYA GUM.—Indian No. 1 gum is steady on spot at 210s. per cwt.

MALE FERN ROOT.—Indian has a dearer tendency and spot would be at 80s. per cwt. approximately.

MERCURY.—Prices are controlled by the Control of Mercury (No. 11) Order (*C. & D.*, October 13, p. 388).

MYRRH.—Good-grade Aden sorts may be obtained on spot at £18 per cwt.

NUTMEGS.—Current prices are as follows: West Indian, 80's, 3s. 10½d. per lb.; sound unassorted, 3s. 7d.; wormy and broken, 3s. 4½d., nominal. Supplies are poor.

PEPPER.—Whole, not picked over or cleaned, on sale to processors, is officially priced at 1s. 4d. per lb. for white and 1s. per lb. for black.

PIMENTO.—Firm on the spot with buyers at 1s. 4½d. per lb.

QUASSIA CHIPS.—Spot supplies seem to be exhausted. Price for January delivery, 40s. per cwt.

QUILLAIA BARK.—Natural, spot, 95s. per cwt.; cut, 110s.

SEEDS.—Quiet, prices unchanged, except FENUGREEK, which is easier. Current rates are as follows: CORIANDER.—Indian, none available, price nominal at 92s. 6d. per cwt.; Russian, fair amount here, but demand small, price 92s. 6d.; English, limited stocks, price 90s. to 95s. per cwt. CUMIN.—Maltese, 150s., paid; Indian, none available. DILL.—London, 80s.; Liverpool, 80s. FENNEL.—Supplies exhausted, nominal. FENUGREEK.—London, 68s. 6d.; Hull, 68s. 6d.

SENEGA ROOT.—Some reported landing price will be 10s. 9d. to 11s. per lb.

SENNA.—Alexandrian hand-picked pods are in good demand; price nominal at 4s. per lb. Good manufacturing Alexandrian pods, 2s. per lb. Tinnevelly leaves, No. 1, 10½d. per lb. No. 2, 8½d.; No. 3, 7d.

STROPHANTHUS SEED.—100 per cent. Kombé spot, 7s. 6d. per lb.

TRAGACANTH.—Medium grades are quoted as follows: No. 1, white, £135 per cwt.; No. 2 white, £115; No. 3, white, £100; No. 4, white £85; pale leaf, £60; amber leaf, £50; dark amber, £35; brown leaf, £25; red-and-brown leaf, £20; red leaf, from £17; hoggy, £12 to £15.

TURMERIC.—The position remains as noted last week (p. 473).

WAXES.—CARNAUBA.—Fatty grey, spot, 560s. per cwt.; March–April, 500s., c.i.f.; prime yellow, spot, 660s.; March–April, 575s.; chalky grey, spot, 540s.; March–April, 490s., c.i.f. CANDELILLA.—Spot, unobtainable; December–January arrival, 250s. per cwt., nominal.

Essential and Expressed Oils

CASTOR.—Bulk supplies are officially quoted as follows: "Firsts," £82 per ton; "seconds," £80, both naked ex works.

CLOVE.—English-distilled is quoted by makers at 12s. 6d. to 13s. per lb.

COCONUT.—Fixed prices are as follows: Crude, £49 per ton; refined deodorised, £4[illegible] refined hardened deodorised, £53.

COTTONSEED.—Controlled prices for bulk supplies are as follows: Crude, £52 2s. 6d.; washed, £55 5s.; refined edible, £57; refined deodorised, £58 per ton; all varieties are quoted naked ex works.

GROUNDNUT.—Refined deodorised in bulk lots is quoted at £58 per ton, ex works.

NUTMEG.—Supplies remain short with the price unchanged at 55s. to 60s. per lb. for English-distilled.

OLIVE (EDIBLE).—Price charged to wholesalers by importer is 25s. 9d. per gall., ex store. Prices charged by wholesalers to retailers are agreed by Ministry of Food as follows: 33s. 6d. per gall. in 1-gall. loan cans; 34s. 3d. in ½-gall. loan cans; 35s. in 1-quart loan cans; 36s. per gall. in 1-pint cans.

RAPESEED.—Official price has been advanced to £91 per ton, naked ex works.

CORRESPONDENCE

N.H.I. Dispensing Rota

SIR,—The following letter has been sent the Clerk, Birmingham Insurance Com-ittee.—Yours faithfully,

Birmingham. S. C. BLORE.

We, the undersigned, wish to give notice that is our intention not to take part in the Spark-l rota for N.H.I. dispensing when our phar-acies are normally closed, viz., Bank holidays, ndays and Wednesday half-days, after the l of the current year. Our experience during past few years is that the number of prescrip-ns first became negligible, and is now actically non-existent. The incidence of the ops Act has destroyed any business we once l at these times, and thus taken away the rce of subsidy (our own) which served to ray out-of-pocket expenses connected with rotas. Furthermore, and again at the tance of the Shops Act, it is necessary to nt an assistant who may take the one-hour y on any rota a full half-day holiday irre-ctive of the statutory half-day holiday. ese reasons, together with the absence of an endance fee, impel us to append our names. . C. BLORE, F. Y. MORRIS (pp. Sparkhill armacy, Ltd.), R. A. WILLIAMS.

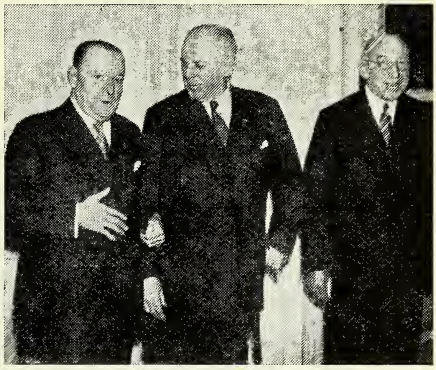
Purchase Tax on Medicines

IR,—It may be of value to consider the ition when purchase tax, charged on dicines prescribed for National Health urance patients, is refunded to chemists the Ministry of Health. If the tax tinues, and the insurance scheme is rged to embrace all citizens, the total nber of preparations subject to tax ered for State patients will be increased the Government will pay out still more ey in consequence—into its own pocket! h certain proprietaries, the dispensing depends on ingredient value, to which chase tax is added. When the Ministry Health, through local Insurance Com-ees, repays to the chemist the cost e of the medicament prescribed on an rance prescription, it also repays his ay on purchase tax, so that the curious tion may arise that a chemist pays tax, it repaid, and receives an extra fee for ng it! With ordinary consumer goods, is paid by the customer and in some , it is hoped, the tax acts as deterrent pending. With N.H.I. medicines, how-, the Government pays its own taxes, the prescribing doctor is certainly not rred from ordering certain medicaments ny thought of the purchase tax they bear.—Yours faithfully,

"TAXUS."

LEICHNER OCCASION

THE first Leichner post-war luncheon was held at the Savoy Hotel, London, on October 30, and the guests, numbering over 150, included many celebrities of the



Mr. G. Graves and Mr. C. B. Cochran with Mr. S. Pollitzer

stage, screen and radio. Lord Esher (chairman of the Theatrical Council and British Drama League) presided, supported by Mr. S. Pollitzer and other directors of L. Leichner (London) Ltd. In a reply to the toast "The House of Leichner," Mr. Pollitzer said "Throughout the war years the chief business of the company had been to maintain essential supplies of cosmetics and make-up materials for the theatrical profession, not only in this country, but in many other parts of the world. In this connexion, we are particularly proud of having been able to supply our products to those gallant men and women who have entertained allied forces on all fronts and at sea. We had our difficulties, for our factory and offices were bombed, and many of our staff suffered in the blitz, but some-how or other production was maintained."

Plans for the Future

At the same time, he said, the company had been able, under Limitations of Supplies Orders, to manufacture a limited quantity of goods suitable for everyday use by the public. In the future, Leichner would, by the quality of its products, continue to lead the world in theatrical make-up. It was planned to expand the export trade as much as possible, and, so far as permitted under Government produc-tion restrictions, to increase supplies of goods distributed through retailers.

COMING EVENTS

Notices for inclusion under this heading should be sent in time to reach the Editor in Bath not later than Wednesday morning of the week of insertion.

Monday, November 12

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, Market room, Golden Lion Hotel, Romford, at 7.30 p.m. Mr. H. Price, Ph.C., on "Pharmacy in the U.S.S.R."

NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Demonstration theatre, Gas Showrooms, Parliament Street, Nottingham, at 7 p.m. Dr. G. I. Hobday (chairman, Nottingham Scientific Film Society) on "Scientific Films" (illustrated).

Tuesday, November 13

NORTH STAFFS BRANCH, PHARMACEUTICAL SOCIETY, Grand Hotel, Hanley, at 7.15 p.m. Mr. R. W. A. Burgess, B.Sc., on "The Atom."

HARROW BRANCH, PHARMACEUTICAL SOCIETY, Baptist Church, College Road, Harrow, at 7.15 p.m. Mr. H. Davis, Ph.D., on "Advances in Pharmaceutical Practice."

Wednesday, November 14

JUNIOR BRANCH, MANCHESTER PHARMACEUTICAL ASSOCIATION, Council Chamber, Houldsworth Hall, at 7.15 p.m. Whist drive.

NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Mrs. E. A. Brocklehurst on "Woman as Pharmacist and Citizen."

GLASGOW AND SOUTH-WESTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Hall of the Institute of Accountants and Actuaries, 220 St. Vincent Street, Glasgow, at 7.30 p.m. Mr. J. Anderson, M.D. (Knightswood Hospital), on "Penicillin in the Treatment of Infectious Diseases."

Thursday, November 15

MANCHESTER PHARMACEUTICAL ASSOCIATION AND MANCHESTER BRANCH OF THE NATIONAL PHARMACEUTICAL UNION, Midland Hotel, Manchester, at 7.45 p.m. Mr. W. J. Tristram (chairman of the Joint Committee on a National Health Service) on "Current Pharmaceutical Affairs."

DUNDEE AND EAST AND CENTRAL SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Royal Hotel, Union Street, Dundee, at 7.30 p.m. Mr. George H. MacMorran, Ph.C., on "A Review of the Seventh Addendum to the B.P., 1932."

Friday, November 16

GLASGOW BRANCH, CHEMICAL SOCIETY, Royal Technical College, Glasgow, at 7.15 p.m. Professor J. M. Gulland, F.R.S., on "Polynucleotides and Nucleo-proteins."

MANCHESTER BRANCH, CHEMICAL SOCIETY, Chemistry lecture theatre, Manchester University, at 6 p.m. Meeting for reading of original papers.

SHEFFIELD BRANCH, CHEMICAL SOCIETY, Chem try lecture theatre, Sheffield University, 5.30 p.m. Professor I. M. Heilbron, F.R. on "Our War Against Insect Pests."

Saturday, November 17

NORTH-WESTERN DISTRICT, GUILD OF PUBL PHARMACISTS, Park Hotel, Preston, Lan at 3.30 p.m. Meeting to investigate t possibilities of forming a branch.

Sunday, November 18

MANCHESTER PHARMACEUTICAL ASSOCIATIO Ramble to Whaley Bridge, Goyt and Buxt Meet London Road Station, 10 a.m. Bo Buxton return.

TRADE MARKS

(*From "The Trade Marks Journal," October 1*

"COFFPEX"; for pharmaceutical preparatio for the treatment of coughs; "ASMAPEX for pharmaceutical preparations for t treatment of asthma (5). By Aspax Chemi Manufactures, Ltd., 32 Shaftesbury Aven London, W.1. 634,535–36.

"LUXAN"; for bandages, surgical dressin and menstruation appliances (5); "TED BEAR" (device of same); for babies' na kins, etc. (25). By H. Franc & Lauder, Lt 4 Chepstow Street, Manchester. 634,7 (Associated), 636,138.

"HARKOZADE"; for pharmaceutical prepa tions and substances (5). By C. F. H combe Cooper, 59 Bardon Chambers, In mary Street, Leeds, 1. 635,218.

"PERMOID"; for hairdressing machines (hair curlers, hair nets, hair pads, hair pi etc. (26). By Permoid, Ltd., 56 Clerkenw Road, London, E.C.1. 635,389, 635,394.

"TOVALI"; for mineral and aerated wate non-alcoholic drinks, syrups and ot preparations for making beverages (3 By J. Harries & Sons, Towy Valley Wor Blue Street, Carmarthen, Wales. 635,360

CONVERSION OF SPECIFICATIONS

Section 36 (3) and Rules 6 to 8

To Schedule IV (with amalgamation)

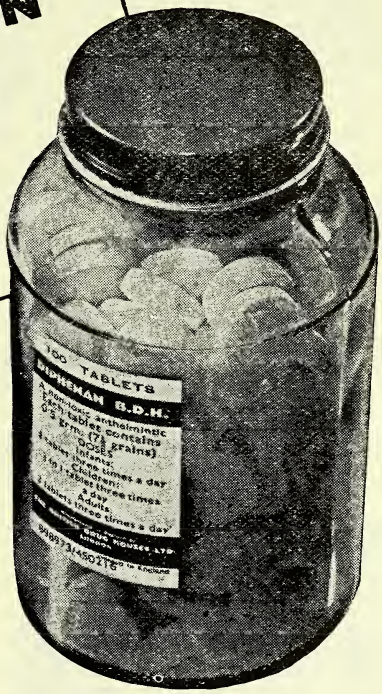
Specification No. 95,731, by A. & F. Pea Ltd., for common soap, perfumed soap a perfumery.

CANCELLATIONS ON APPLICATION OF PROPRIETORS

Specifications Nos. 142,358, 525,959, 525,9 525,962–65, by H. Franc & Lauder, L Specification Nos. 432,193 and 433,762, S. Hanson & Son, Ltd., and C. & E. Mort Ltd., *cancelled in respect of* infants' a invalids' foods and dietetic foods and go of the same description as any of th excluded goods. Specification No. 481,2 by Allinson, Ltd., *cancelled in respect* pepper and spices, and goods of the sa description as pepper and spices.

DIPHENAN B.D.H.

For the Treatment of Threadworm Infestation



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Tablets containing 0.5 grm.	Trade	Tax	Retail includ. Tax
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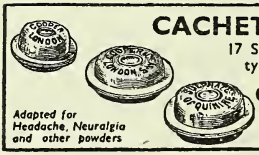

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MORELIX
GALE (Reg.)
The ideal nutritious Tonic for Children and Adults.
4 oz. and 8 oz. Bottles

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An efficient Skin Ointment.
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EFFERVESCENT SALINE WITH CAFFEIN
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For relief of Biliousness and as a Tonic Restorative.
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FOR over thirty years, through the disruption of two world-wide wars, Laboratory-tested formulae and Laboratory-checked manufacturing processes have ensured the high standards of therapeutic efficacy of all I.C.C. products.

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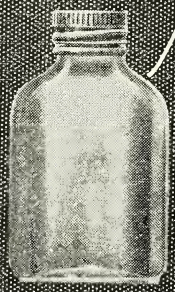

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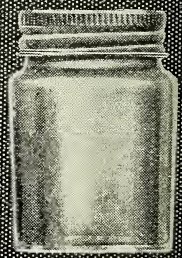

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vill often ensure a complete night's sleep . . . . . .

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HAND
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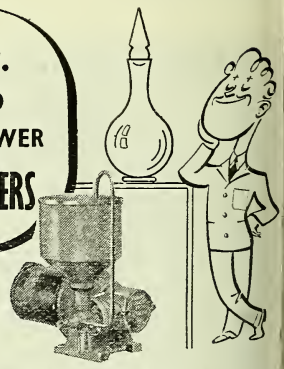

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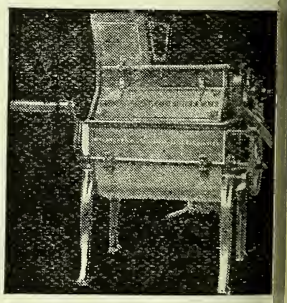

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ESTABLISHED 1882
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100 doses	200 doses	600 doses

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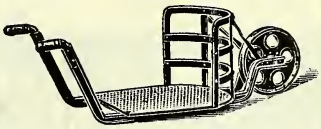

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We can still supply by return of post.

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LOFTHOUSE & SALTMER LTD. HULL

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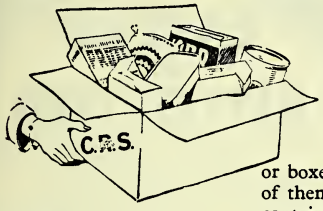

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use C.R.S. fibre-board containers or boxes for customers' goods. There's not nearly enough of them as it is to make deliveries to *you*. If boxes and containers go out of circulation in this way it will make a serious situation even worse.

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Authorised collectors of empty containers for many leading Food, Soap, Toilet and Household Product Manufacturers. Sole authorised collectors for Metal [illegible]

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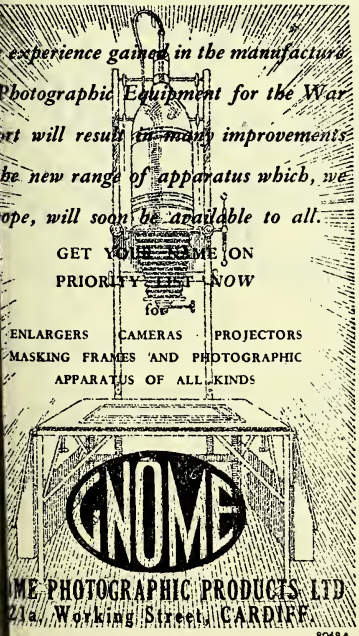

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The great household help—makes plain woodwork, sinks, baths, lavatory basins, etc., spotlessly white, disinfects and deodourises. Retails at 1/4 (26 ozs.)

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—the perfect Ammonia. In 26 oz. bottles.

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means certain death to flies, wasps, moths, etc. In 8oz. bottles.

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THE "MATER" CLINICAL REGD.
The position of the Mercury column is at once perfectly plain. Red markings above 90.4

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CERTAIN DEATH TO FLIES, MOTHS AND ALL INSECTS

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GREAT OPPORTUNITY FOR BIG SALES

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Manufacturers of fine chemicals since 1823

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Limited SUPPLIES will be AVAILABLE for RETAIL TRADE in the near future

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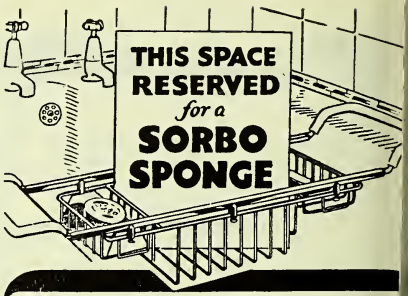

Millions of homes are making shift or doing without . . . waiting for the time when a SORBO Sponge can fill the vacant space.
You too should reserve a good sized space on your shelves for SORBO, the original sponge rubber—It will shortly be available.

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SORBO LIMITED · WOKING, SURREY

QUIZ
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cleans them ALL!

Rooney's, for 150 years makers of fine brushes, are producing the "QUIZ" Teethbrush. Output is at present limited, but already National advertising is familiarising "QUIZ"—"the Teethbrush because it cleans them **ALL**!" This new line will mean good business for you.

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Personal attention given to all "Specials"

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in free supply

D.D. Balm, the new non-greasy and anti-ptic ointment for skin troubles, is in free pply. It is supported by a wide advertising npaign, and is having a popular reception m the public, among whom are many old ends of the liquid D.D.D. Prescription. is non-greasy, antiseptic and healing balm courages the elimination of any pus and tens the natural process of healing. The paration is one you can confidently recom-nd, it is an assurance of steady profitable siness.

RADE TERMS:
6/- per dozen
Tax 2/8 per doz.
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SHOWCARDS—
are available to those who stock D.D.D. Balm.

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Forgive us if the widespread demand sometimes makes us keep you waiting for your supplies.

The farther ahead you can order the better will your wholesaler be able to supply you on time.

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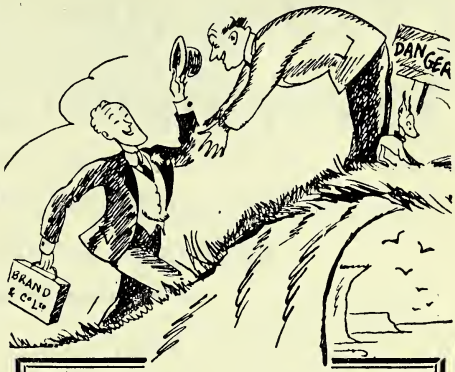
Little-known Limericks—No. 17



Said a Chemist
who lived on a cliff,

"I would surely
jump over it if

My quota from Brand's

Didn't come to my hands

Smack on time, but it does!
What a diff!"

The Brand Man's job isn't an easy one. He knows too well that supplies can't meet demands. But he's always fair in his distribution. Brand's products are distributed on a strict quota basis, so you can always be sure of getting your share.

BRAND & CO. LTD.
LONDON

When mothers want to know more about M.O.F.

How and when this fortified Infant Cereal can be used

M.O.F. is a finely sieved Infant Cereal processed for quick cooking. Here are some facts that you will find useful when recommending it.

GENERAL USE

M.O.F. is recommended for general use in infant dietary from 5 months onwards, either added to a simple milk mixture or, later, as the staple part of a mixed diet. M.O.F. may be prepared with fresh milk or dried milk, and contributes significantly to the daily intake of the vitamins and minerals specified below.

EARLY WEANING

When weaning has to take place at an early age, M.O.F. may be given from 3 months. Because it increases the calorific content of a simple milk mixture, M.O.F. is particularly beneficial to the underweight infant at this stage.

SUPPLEMENT TO BREAST MILK

At the time when breast milk starts to diminish it may be supplemented with feeds of M.O.F. mixture. In this way partial breast feeding may often be maintained for a further period, to the benefit of both mother and child.

COMPOSITION OF M.O.F.

	Per cent.		*Grams per oz.*
Fat	6.2	Fat	1.85
Protein	10.7	Protein	2.15
Carbohydrate	70.0	Carbohydrate	19 87
Mineral Matter	2.7		*Mg. per oz.*
Fibre	0.2	**Iron**	**5.0**
Moisture	10.2	**Calcium**	**120.0**
		Phosphorus	**150.0**

Vitamin B_1 as Aneurin Hydrochloride *Per oz.* **0·079 mg.**
Vitamin D . . . . . **600 I.U.**
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[51/31

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

NOVEMBER 10 1945

Prevailing restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. As normal press days are in abeyance advertisers are advised to send instructions as early as possible. Advertisements must be prepaid. Box Office Numbers 1/- extra.

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SITUATIONS OPEN

7/6 for 40 words or less, 2d. for every additional word.

None of the vacancies in these columns relates to a man between the ages of 18 and 50 inclusive or a woman between the ages of 18 and 40 inclusive unless he or she is excepted from the provisions of the Control of Engagement Order, 1945, or the vacancy is for employment excepted from the provisions of that Order.

RETAIL (HOME)

BOLTON, Lancashire. Qualified Manager, male or female, to take charge of Family Dispensing business with considerable photographic connexion; proprietor serving in Forces. Apply, giving details of age, experience, salary required, etc., to Hughes, Manor Pharmacy, 32 Manor Street, Bolton, Lancs.

BOURNEMOUTH. Energetic, single Qualified man required forthwith, not Manager; wages £8 per week. 634/837, C. & D. London Office.

CHEMIST, London, requires temporary assistance with the pricing of stock books; Qualified or Unqualified. Apply 632/772, C. & D. London Office.

GOLDERS GREEN. Assistant, male or female, required for Dispensing in high-class pharmacy; permanency. Apply with full particulars to 631/727, C. & D. London Office.

HULL. Unqualified Assistant, male or female, with good Dispensing and Counter experience; no Sunday or public holiday duty. Apply stating age, salary required, previous experience and references, etc., to Fanthorpe, 209 Holderness Road, Hull.

KIDDERMINSTER CO-OPERATIVE CHEMISTS require the services of a Qualified Pharmacist; applications for the position are invited; permanency, if suitable. Apply, stating age and experience, to the Superintendent Chemist, Kidderminster Co-operative Chemists, Ltd., Worcester Street, Kidderminster.

LADY, Unqualified, Dispensing and Counter. Thomas, 6 Colin Parade, Colindale, N.W.9.

LADY (Unqualified), for West London Pharmacy. 632/747, C. & D. London Office.

LADY, Unqualified, for Clerical work in chemist's office, London; permanency for suitable applicant. Apply 632/773, C. & D. London Office.

LEICESTER. Temporary Manager required from now until June–July, 1946; owner of pharmacy in Royal Navy, Group 45. Applicant must have knowledge of small scale manufacturing and purchase tax application. 630/681, C. & D. London Office.

LONDON CO-OPERATIVE CHEMISTS, LTD., require several first-class Pharmacists for vacancies which offer splendid prospects, some with available accommodation. Applications in the first instance to Superintendent Chemist, 54 Maryland Street, Stratford, E.15.

MANCHESTER. Qualified Assistant required as soon as possible; woman preferred, but not essential. Apply 633/813, C. & D. London Office.

QUALIFIED or Unqualified Dispenser requir for high-class Pharmacy; no N.H.I.; excell references essential. Apply J. W. Quibell, Ltd., s Finchley Road, Golders Green, N.W.11.

QUALIFIED wanted immediately for good-cl business in Ilford, Essex; permanency; ea hours; good salary offered; Lady preferred. Ap by letter, 44 Somersby Gardens, Ilford.

QUALIFIED lady or gentleman urgently requir for good-class retail, in pleasant town, f miles Gloucester and Cheltenham. Also Unqualif Lady or gentleman, November 19 if possible, same business. Good remunerations; usual p ticulars. S. J. Coley, Ltd., 57 High Street, Stro Glos.

QUALIFIED Pharmacist required as Mana (lady or gent) in small country town; am help given; no Sunday or half-day duty. Ap with usual details. A. G. Shum, Ltd., Chemi Madeley, Wellington, Shropshire.

QUALIFIED Branch Managers, permanent, quired immediately, Denbighshire. Apply Rowland & Co., Ltd., Mitre Buildings, Brook Str Wrexham, N. Wales, stating age, experience, sal required, enclosing photo (returnable) if possible.

SOUTHAMPTON. Qualified Manager to t charge busy Retail Branch; living accommo tion if desired. Reply giving full particulars a salary required. W. Bates & Co., Ltd., 25 Oxf Street, Southampton.

SURREY (15 minutes Waterloo). Unquali Assistant, male or female, with Dispensing all-round experience, required for good-class ph macy in congenial neighbourhood. Hall & Lawt 112 Central Road, Worcester Park. Phone I went 2325.

TORQUAY. Unqualified Assistant for Dispens business; full particulars first letter. Cock Dunsford, Torquay.

TWO Branch Managers at once. Demobilised r or women welcomed. Apply with particular G. W. Hales, Cranworth Buildings, Tacket Str Ipswich.

WELWYN GARDEN CITY. Pharmacist war as Buyer and Superintendent for dispensa of Welwyn Stores (1929), Ltd. Please apply, sta age, qualifications, experience, and salary requi to Staff Manager, Welwyn Stores (1929), Ltd., V wyn Garden City.

RETAIL (COLONIAL)

OVERSEAS EMPLOYMENT. PHARMACIST quired by the Government of British Gui for the Medical Department for one tour of 2 y with possible permamency. Salary £500 × £2 £600 a year; lecture fees about £50 a year; passages. Candidates must be members of Pharmaceutical Society and hold either a Univer degree in pharmacy or the higher qualificatio the Pharmaceutical Society (Ph.C.). Hospital teaching experience would be an advantage. Wri applications (no interviews) giving the follov essential details: (1) Full name; (2) Date of bi (3) Qualifications and experience; (4) Name address of present employers; (5) Details of pre work; should be sent to The Secretary, Over Manpower Committee (Ref. 5104), Ministry of Lab and National Service, York House, Kingsway, L don, W.C.2. Applications cannot be acknowledg

WHOLESALE

AGENTS wanted for certain parts of England the sale of Pine Disinfectants in bottles in Bulk; also Sprayer Outfit. Write, giving particulars of connexion, territory and other A cies held, to Box ZO.812, Deacon's Advertising Leadenhall Street, E.C.3.

AN established Manufacturing Company requi Director to take charge of Sales. Well in duced gentlemen, willing to invest up to £3,000, requested to submit full details of experie 634/823, C. & D. London Office.

LARGE firm of Manufacturing Chemists, twenty miles from London, require a man well versed Patent matters. Full particulars of experience, ry, etc., to 633/802, C. & D. London Office.

N old-established European Firm of Manufacturing Chemists in India has vacancies for pean Assistants in the Works, Sales and Purse Departments. (1) *Works:* Must have experi- of large scale manufacture—Ampoules, Galen-, Tablets, Tinctures, Toilets, Fine Chemicals, loids and control of Analytical Laboratory. erence given to applicant with diplomas and neering knowledge for erection and maintenance lant. (2) *Sales and Purchase:* Should have rience in sales development and export mar- of Chemicals, Pharmaceuticals and Drugs. -class opportunities with good prospects for ight men. 631/730, C. & D. London Office.

PABLE man or woman to take charge of Poison Room of London Wholesale Drug House; must ess a knowledge of the drug trade and preferably experience in Poison regulations; good wages conditions to the right person. Apply, with full culars, age, salary, etc., to 629/651, C. & D. ion Office.

EMISTS' sundries' wholesalers, well introduced, have vacancies for representatives in humberland, Durham, Yorkshire, Lancs and hire, on terms of commission and part travelling uses. 633/798, C. & D. London Office.

MMISSION Agent required calling on Chemists for the London Area North of the River; d Drugs and Galenicals. Apply E. J. Hanson, . Faith's Road, S.E.21.

FICIENT Secretary-Stenographer required by Manager of London Manufacturing Chemists; speeds, good English and ability to act on own tive essential; preference for person with ous experience of pharmaceutical industry. st details and salary required to 631/740, D. London Office.

ERGETIC young man with pleasant personality wanted as Medical Representative by essive company; some knowledge of drugs ent; training given; excellent prospects for working man. State experience and salary ed. 634/825, C. & D. London Office.

ST-CLASS Representatives required by Manufacturers of high-class ethical pharmaceutical cts advertised in the National and Medical throughout the United Kingdom. Applicaonly considered from men of stability, initiative xperience capable of substantial earnings with ished connexions amongst retail and whole- chemists; salary, expenses and commission. 48, C. & D. London Office.

NUFACTURING Chemists (a London area) require an Assistant (qualified or unqualified) experience in Compounding Pharmaceuticals osmetics for experimental work. Write Box Scotts, 9 Arundel Street, Strand, W.C.2.

NUFACTURING Chemist requires full-time Representative for Middlesex, Herts, Beds, , and North and North-West London terri- applicants with connexions amongst Chemists territory especially favoured; excellent pros- for energetic candidate. Send full particulars instance to 634/819, C. & D. London Office.

CESS WORKER. Permanent position offered o applicant experienced in Galenical manufac- able to act as Charge Hand in pharmaceutical tory. State full experience, etc., to Chemists, 4, C. & D. London Office.

RESENTATIVES required for Midlands and Eastern Counties by old-established London acturing Chemists. State age, experience and ree. 632/770, C. & D. London Office.

RESENTATIVES wanted for the Yorkshire nd Scottish areas to sell Cosmetic and Pharma- l Products which are nationally advertised; ommission paid, excellent prospects. 634/820, . London Office.

TABLET MANUFACTURE. Production Foreman required for established department. Applicants should have wide general experience of tablet manufacture in all stages. Capacity for handling labour and some knowledge of large-scale production methods essential. Also Charge-hand required for granulating section of modern large plant; background of wide range of work essential; some knowledge of large-scale plant operation an advantage. Give general details of age, past experience and salary requirements in each instance. Glaxo Laboratories, Ltd., Personnel Department, Greenford, Middx.

WANTED. Qualified Pharmacist to take charge of Tablet and Pill Department; must have had manufacturing experience in all branches. 634/829, C. & D. London Office.

WORKS Manager required by Hirst Brooke & Hirst, Ltd., Manufacturing and Wholesale Chemists, Leeds, 7. Applicants must have sound knowledge and experience in manufacture and packing of Pharmaceutical preparations; preference given to applicants with previous experience in well-established Drug Houses. Fullest particulars, marked confidential, to Chairman of above.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word.

RETAIL (HOME)

CHEMIST, 45, recently demobilised from R.A.F., desires a position in any district with a view to partnership or ultimate succession; area where there is scope for a lady doctor would be an advantage. The main requirements are a congenial post which will be permanent. 632/761, C. & D. London Office.

DISPENSER Book-keeper, middle-aged, active, seeks post with Doctor, or at Hospital; experienced, Hall qualification. 633/796, C. & D. London Office.

QUALIFIED Chemist with excellent experience, including management, seeks position; highest references. 633/806, C. & D. London Office.

UNQUALIFIED Assistant, 30, male, seeks situation; free now; London or suburbs. 634/818, C. & D. London Office.

LOCUMS SEEKING ENGAGEMENT

PHARMACIST, 38, recently demobilised, requires Locum duties, or offers of lucrative post, Wholesale or Retail; can commence December 3; excellent references; well recommended. 634/832, C. & D. London Office.

WHOLESALE

A.A.A. Representative, just released, age, 32 keen, energetic; excellent pre-war connexion amongst Wholesale and Retail Chemists and Hospitals in Midlands and South Wales, seeks position with good firm manufacturing anything Medical or Surgical, and who wish to sell old or new lines in any area, especially in territory mentioned. 634/835, C. & D. London Office.

A REPRESENTATIVE, experienced, desires to get in touch with firm of repute, with view to a permanent position; first-class references and sales records. H. G. F., 24 Lovelace Avenue, Bromley, Kent.

A WELL-KNOWN representative desires change, age 43; 20 years with leading toilet manufacturers, South-West England and Channel Islands; record above average; terms by arrangement; minimum expected £800 per annum; car owner. 633/803, C. & D. London Office.

ADVERTISER recently released National Service is now open to represent reputable firm; pre-war connexion Wholesale and Leading Retail Chemists in Lancs, Cheshire and W. Riding, Yorks; commission or commission and part expenses. 634/814, C. & D. London Office.

EXPERIENCED Traveller, with excellent connexion Chemists and Domestic Stores, Essex and London, now disengaged. 633/797, C. & D. London Office.

LIGHT position required by Qualified Chemist in Wholesale or Manufacturing; will invest capital £2,000 to £3,000 if necessary for partnership. 634/831, C. & D. London Office.

LONDON. Wanted interesting position with Pharmaceutical Manufacturers by Qualified (30); five years varied industrial experience with Govt. Dept. Offers to "A," 172 King Charles Road, Surbiton, Surrey.

REPRESENTATIVE, with first-class, pre-war connexion Chemists and Allied Trades in Northern Ireland, will visit England early November with a view to contacting Firms of Repute, who desire Representation, now or in the near future, on this territory. Salary and commission, or commission only, terms considered. 633/808, C. & D. London Office.

REPRESENTATIVE (age 30 years), with sound connexion (Lancs–Cheshire, etc.) Retail Chemists, including Departmental Stores and Co-ops., would consider change with reputable Toilet or Sundry House, etc. 634/833, C. & D. London Office.

APPOINTMENTS

ASSISTANT PHARMACIST required by MIDDLESEX COUNTY COUNCIL at Redhill County Hospital, Edgware, Middx. Applicant must hold one of Pharmaceutical Society's qualifications. Commencing salary £250 p.a., Increments of £10 up to £300 p.a. considered annually. War bonus (now £60 p.a.). Unestablished staff; whole-time duties under supervision of Medical Director and Chief Pharmacist. Application stating age, qualifications and experience, enclosing copies of up to three recent testimonials to Medical Director of Hospital immediately (male candidates should state position with regard to military service).

COUNTY BOROUGH OF SOUTHEND-ON-SEA

SOUTHEND MUNICIPAL HOSPITAL
ROCHFORD, ESSEX

The Health Committee of the Council invite applications for the post of Non-resident ASSISTANT PHARMACIST at the above Hospital. Candidates should hold one of the registerable qualifications of the Pharmaceutical Society. The salary is at the rate of £250 per annum, rising by increments of £10 to a maximum of £300, plus cost of living bonus, at present £59 16s. per annum for males and £48 2s. for femalex. The provisions of the Local Government and Other Officers Superannuation Act, 1937, will apply, and the person appointed must satisfy the Council's Medical Examiner.

Application forms, which can be obtained from the Medical Superintendent of the Hospital, must be completed and returned to him as soon as possible.

ARCHIBALD GLEN,
November, 1945. Town Clerk.

LONDON COUNTY COUNCIL

ASSISTANT PHARMACIST (whole time) required at Friern Hospital, New Southgate, N.11, and St. Bernard's Hospital, Southall, Middlesex (part-time at each hsopital). Candidates must possess Pharmaceutical Society's qualification. Salary £250 rising to £300 a year, plus temporary cost of living addition (at present £60 a year men; £48 a year women). Application form from Medical Officer of Health, (Fr.) Mental Health Services, County Hall, Westminster Bridge, S.E.1.

ESSEX COUNTY COUNCIL

Assistant Dispenser (non-resident) required f Oldchurch County Hospital, Romford. Salar £150 a year rising, subject to satisfactory se vice, by annual increments of £10 to a maximu of £175 a year, plus such war bonus as th Council may from time to time decide. Th rate of the commencing salary will be fixe having regard to the qualifications and exper ence of the person appointed; applicants wit Apothecary Hall qualifications will be suitabl Appointment will be subject to the Council Sick Pay Rules and Regulations and Standi Orders, copies of, or extracts from, which w be forwarded on application.

Applications should be sent, as soon as pra ticable, to Mr. G. E. Pegram, Administrati Offices, Laurie Square, Romford.

Applicants subject to Control of Engageme Order, 1945, should apply through their Loc Office of the Ministry of Labour and Nation Service.

November 5, 1945.

ROYAL VICTORIA & WEST HANTS HOSPI

BOURNEMOUTH

ASSISTANT PHARMACIST required. App in writing immediately, stating age, experien (and Hospital if any). Salary in accordance wi the recommended scale of the British Hospita Association. Permanent appointment wi membership of Federated Superannuati Scheme. Gordon M. Saul, Secretary.

PHARMACIST required at Albert Do Hospital, Alnwick Road, E.16, immediate B.H.A. scale of salary; F.S.S.N. in for Applications stating age, qualifications a previous experience to the Secretary, Seame Hospital Society, Greenwich, S.E.10.

REDHILL COUNTY HOSPITAL

EARLSWOOD COMMON, REDHILL
ST. LUKE'S HOSPITAL, GUILDFORD

ASSISTANT PHARMACIST, Temporary. Mu be M.P.S. or Ph.C. Salary grade £250 plus £10 £300 p.a. plus bonus, 23s. p.w. male, 18s. (p.w. female. Apply to Medical Superintende

SURREY PHARMACEUTICAL COMMITTEE

Applications are invited from registered Pharm cists for the position of Secretary to the Coun of Surrey Pharmaceutical Committee. T commencing salary will be at the rate of £4 per annum with provision for superannuati The appointment is a full-time one and apr cants should not be under 30 years of a Preference will be given to persons possessi secretarial experience and special considerati will be given to an ex-serviceman. Applicati stating age, qualifications and experien together with the names of three persons whom reference may be made, should be receiv by the undersigned by 30th November, 19 Canvassing, either directly or indirectly, v disqualify a candidate for appointment.

W. H. FOWLER,
Secreta

66 Beeches Avenue, Carshalton.

HULL ROYAL INFIRMARY

Applications are invited from Registe Pharmacists for the post of Assistant Pharm cist (male or female) at the Branch Hospit Vacant December 1. B.H.A. scale, plus lun Federated Superannuation Scheme. Appli tions stating age, experience and qualificatio and with copies of recent testimonials, to R. Carless, House Governor.

EXPORT TRADE

YLON—LEADING SALES ORGANISATION, with over 50 Agency-Sales Depots and Medical resentatives and Travellers, and importing on account, is open to take up agencies for all lines e Pharmaceutical trade, Cosmetics, Perfumery, fectionery, etc. First-class Bank and Trade ences. Universal Trading & Drug Co., Ltd., ncy Dept., G.P.O., Box 385 Colombo, Ceylon.

NMARK. Well-established import and agency firm desires to contact manufacturers interested xtending their export activities to Denmark. pped to handle Combs, Tooth-brushes, Hair les, Sanitary Goods, Brushes, Perfumery and t requisites, Adhesive (medical) Plaster, Swim- Caps, Sun Goggles. Representative in England ovember; best financial and trade references. British Import Union, B. Buhl Christensen, 24, enskjoldsgade, Copenhagen K, Denmark.

PORT TO SWEDEN. Financially strong Importers with extensive distribution possi- es desire contact with competitive exporters, ed and unfinished chemical products, cosmetical, es, sanitary articles, bakleite products, and other le articles in this line. Sole Distribution rights rred. First-class references. Svenska Product ing, Stockholm 1, Box 37, Sweden.

PORT TO DENMARK. Old, financially strong import firm wants quotations on all kinds of cts and especially on Chemicals, Oils, Wax, Tar Products. Please write R. Groth-Hansen, rg, Denmark.

ORATORY with sales organisation in France and Colonies is open to take up agencies for naceutical Specialities, Toilet Preparations, ticides, etc. Write to H. Adam, 8 Boulevard ance, Monte-Carlo.

NUFACTURERS of Mosquito-coils, well- introduced line, seek agents for all countries. to Asepta, 4, Rue du Rocher, Monaco (Prin- té).

-ESTABLISHED manufacturers of well- known proprietary remedies having a large propose to expand their export trade and, for urpose, require the services of a gentleman with experience and record in the development of markets; pharmaceutical knowledge desir- but not essential. Applications giving full ulars of age, experience, past records and desired, to 634/824, C. & D. London Office.

NCIPAL of Calcutta firm of Importers arriving December would welcome meeting manufac- desirous developing export trade with India/ a. Will consider agency rights for few selected Write 632/766, C. & D. London Office.

RESENTATIONS, Sole Agencies and Sub- Agencies of Manufacturers, Importers and ters wanted by established firm; good per- connexions with trade and industry in Czecho- ia, Sweden, Denmark, Norway, Holland and al; best trade and bank references furnished; invited with a view to taking up negotiations. 5, C. & D. London Office.

. LEVY, of Rawak Street, Baghdad, Iraq, wishes contact Manufacturers of all Chemi- nd Pharmaceutical Products with view of entations and Agencies. References: Imperial f Iran, London.

DISH Manufacturer of Chemical and Toilet oducts desires contact suppliers of: Lanette r water-soluble emulsion wax, fatty, alcohol- nate for shampoos, henna, sulpho-*p*-phenyl- ine, sulpho-*p*-amidodiphenylamine, sulpho-*o*- phenol, *p*-amidophenol-chlorhydrate, *p*-amido- ylamine, paratoluylendiamine. Parfumery nce, Ostindiefaragatan 5, Malmö, Sverige.

MISCELLANEOUS SALES

12/6 for 60 words or less, 1/- each additional 10 words or less

AN Opportunity. The following machinery will shortly be for sale. Manesty Rotary Tablet Machines: two "B,B" type, four or five "D" type, and one "B" type, complete with Punches and Dies; all are in new condition. Also one Rhodes Can Sealing Machine, 220 volts, 1½ motor geared to belt drive, will seal cans up to 8 in. dia. × 14 in. depth. Also one Robert Filler, complete on rail to run over bench, suitable for polishes, etc. Also one Water Softener and Water Still. Also Farrow Cross-tube Boiler, height 6 ft. × 3 ft. dia., complete with all fittings, gauges, cocks, etc. 633/790, C. & D. London Office.

FOR Disposal, 70 Gross ½ oz. Pomade Jars and Caps. Box No. 226, New Era Advertising Service, Ltd., 107 Fleet Street, E.C.4.

FOR Sale, price £60, Hearson Microscope, 3-nosed objective with 4 m. 16 mm. lense (Beck) and Watson 1/12 in. oil immersion lense; coarse and fine adjustment, condenser with adjuster and iris diaphragm, plano and concave mirror. Large polished case with lense holder; excellent condition. Box No J.2623, W. H. Smith & Son, Ltd., Manchester, 3.

SMALL Pill Piping Machine for sale. Motor Drive, cylinder approx. 4½ in. by 7¾ in. deep, striker and loose pulley. Two plates also if desired for making four-grain pills, all bolts new. £20 or nearest offer. Can be viewed in London. Write Box 314, Mitchell's, Ltd., 1 Snow Hill, London, E.C.1.

4-LB. Oil of Spearmint B.P.C. at 140s. per lb.; 10 lb. Oil or Peppermint, Jap. type, at 90s. per lb.; or exchange for Oil of Citronella, Ceylon. R. Rushworth, M.P.S., 138 Market Street, Droylsden, Lancs. 'Phone DRO 1829.

7-LB. Square New Soldered Lever-lid Tins for sale. What offers? Zems, Ltd., 718–724, Seven Sisters Road, N.15.

WANTED

7/6 for 36 words or less, 2d for every additional word.

BOTTLES. 26-oz. Whisky type urgently wanted. Anglo-Baltic Produce Co., Ltd., 52/54 Tooley Street, S.E.1. Hop. 2001.

GAS Copper, 30–50 gallons, also 5–10 gallon Mixing Containers, Stainless Steel or Enamel. Details to Hanson, 22 St. Faith's Road, London, S.E.21.

MENTHOL Crystals wanted, 28 lb. upwards. State price to Sweetule Products, Ltd., 38/40 Church Street, Radcliffe, Manchester.

RECOVERED PARAFFIN WAX wanted in any quantities. Please send sample and price to 633/805, C. & D. London Office.

SMALL Power-driven Kneading Machine with variable speeds required, must be in perfect condition. Ortina, Ltd., Cumberlow Avenue, South Norwood, S.E.25.

TWO Powder Filling Machines, capacity 4 oz. to 2 lb. Also one Liquid Filling Machine, ½ pint to 1 gallon. Reply to Hygienic Chemical Co., Ltd., Duplex Ride, Kinnerton Street, S.W.1.

WANTED. Aspirin, Phenacetin, Saccharin 550, Powder Extract of Malt in 1 cwt. drums; surplus stocks of Patents and Toilets bought. Adhesive, Zinc Oxide and Elastic Plasters in 2-in., 2½-in. and 3-in. widths required. 633/787, C. & D. London Office.

WANTED. Supplies of Sulphonated Fatty Alcohol Powder; first quality only. Please send sample and prices to Carl Mumby (Productions), Ltd., 37 St. Peters Avenue, Cleethorpes.

BUSINESS OPPORTUNITIES

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A SMALL Limited Company established in Lancashire, over twenty years' manufacturing and selling ethical products to the medical profession and chemists, owing to age and staff difficulties, desires to contact firm doing similar business with view to amalgamation or sale. Principals only. Reply 632/775, C. & D. London Office.

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